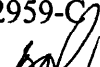


## **Appendix A**

### **SSSTF Preliminary Cost Estimate Data**

This appendix contains the data to provide a detailed cost estimate for the Preliminary (30%) design of the SSSTF.

## **COST ESTIMATE SUPPORT DATA RECAPITULATION**

Project Title: STAGING, STORAGE, SIZING, AND TREATMENT FACILITY (SSSTF)  
Estimator: J. C. Grenz  
Date: October 24, 2000  
Estimate Type: Title I  
File: 2959-C  
Approved By: 

I. **SCOPE OF WORK:** *Brief description of the proposed project.*

The facility is to provide storage, sizing, and treatment for mixed wastes at the INEEL. It is located between Lincoln Blvd. and the INTEC fence and south of the new substation. There are four areas included in this project. They are:

- General site utilities and grading (13 acres)
- Administrative building (4,000 sf)
- Treatment building (4,400 sf)
- Decon building (4120 sf)

A. Sitework

- Grading and paving
- Security fence (3,200 lf)
- Excavation and fill for structures and utilities
- Underground utilities in INTEC
- Underground utilities outside the INTEC fence
- Utilities through "no-man's-land" are not included

B. Concrete

- Misc. yard concrete
- Concrete structures
- Storage pads

C. Special coatings

- Process Building
- Decon Building

D. Equipment

- Stabilization equipment

E. Mechanical

- Piping and HVAC for all buildings
- HEPA filters in the Process and Decon Buildings.

## COST ESTIMATE SUPPORT DATA RECAPITULATION

- Continued -

Project SSSTF  
File: 2959-C

Page 2

### F. Electrical

- Main transformers and switchgear
- Electrical in all structures
- General area lighting
- Grounding

## II. **BASIS OF THE ESTIMATE:** *Drawings, Design Report, Engineers Notes and/or other documentation upon which the estimate is originated.*

- A. Title I drawings and process descriptions
- B. Block flow diagrams
- C. Conversations with design engineers
- D. R. S. Means Construction Costs
- E. Richardson Estimating Standards
- F. Cat Handbook
- G. Blue Book Rental Rates

## III. **ASSUMPTIONS:** *Conditions statements accepted or supposed true without proof of demonstration. An assumption has a direct impact on total estimated cost.*

- A. Construction work to be performed in 2003.
- B. Work will not be broken up into small construction packages. Project will be awarded to one general contractor that is familiar with work at the INEEL.
- C. No third party inspection has been allowed for in the estimate.
- D. Work to be performed to NQA-1, quality level 3.
- E. No mobile equipment or roll-off boxes are included.
- F. Work on the ICDF will not interfere with work on the SSSTF.
- G. All utilities will be in place between the INTEC security fences (no-man's land).
- H. No contaminated excavation will be encountered.
- I. Project will have a dedicated HP for the utility work inside INTEC.
- J. General Site
  - 1. All pipes to have 6' of cover.
  - 2. All pipes to be sand bedded.
  - 3. All duct banks to have 2' of cover.
  - 4. Site excavation/fill will be balanced. Fill material for the Process Facility will be borrow from the ICDF spoil pile.
  - 5. Area paving to be 4" thick.
  - 6. There are no storm drains.

## COST ESTIMATE SUPPORT DATA RECAPITULATION

- Continued -

Project SSSTF  
File: 2959-C

Page 3

### K. Administrative Building

1. Building will be a typical "pre-engineered" metal building.
2. Suspended ceiling in building with some areas to be acoustical ceiling.
3. Exterior wall is insulated and inside is covered with gypsum board.
4. All gypsum board to be taped and painted.
5. All floor to be carpeted except showers and restrooms.
6. Shower rooms and restrooms to be tile 4' up wall.
7. Building to have a wet pipe sprinkler system.

### L. Treatment Building

1. Building will be a non-typical structural steel frame with insulated siding and roofing.
2. Building to have a HEPA filter system.
3. Area over truck load-out to be raised concrete slabs.
4. Areas around mixing trough to be reinforced with steel plate.
5. Liquid admixture tanks to be insulated and heated.
6. Dry admixtures to be moved with an "air slide" conveyor.
7. Day tanks will be inside the treatment facility.

### M. Decon Building

1. Building will be a typical "pre-engineered" metal building.
2. Building to have a dry pipe sprinkler system.
3. Interior to be coated with an epoxy paint for decontamination.
4. Electrical/Mechanical room to have heat and a fire rated wall.
5. Sump and filter system to be in mechanical room.
6. Discharge pipe to evaporation pond to be HDPE.
7. Building to have a HEPA filter system.

## IV. CONTINGENCY GUIDELINE IMPLEMENTATION: *The percentage used for contingency as determined by the contingency allowance guidelines can be altered to reflect the type of construction and conditions that may impact the total estimated cost.*

A 19% contingency on construction, which includes 10% of construction costs for management reserve, has been included in the estimate. This is within the acceptable range for an estimate at this stage of development. The following concerns were the primary drivers to arrive at this amount.

- A. In-plant utilities will be installed in contaminated areas and around existing utilities.
- B. Storage building slab requirements could be made more complicated and a special coating may be required.
- C. Treatment facility details are lacking.
- D. Decon building slab finish not called out.

**COST ESTIMATE SUPPORT DATA RECAPITULATION**

- Continued -

Project SSSTF  
File: 2959-C

Page 4

- E. Effects of NQA-1 will add a significant amount of paper work to the project, which will require additional people to process it.
- F. No information on container tracking equipment has been called out.
- G. No contingency has been included for DOE or Agency changes to the design.


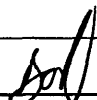
**V. OTHER COMMENTS/CONCERNS SPECIFIC TO THE ESTIMATE:**

- A. Costs on the detailed cost sheets are direct costs and do not include overhead, profit or escalation for the construction sub-contractor.
- B. Each major activities cost has been escalated to the midpoint of that activity on the summary sheets.
- C. Due to the short design time, this design package lacks some detail that would normally be included at this stage of the design. See section IV for concerns.

Project Name: **Staging, Storage, and Treatment Facility**  
Project Location: **INTEC**  
Project Number: **2959-C**

## TEC Summary Report

<u>ESTIMATE ELEMENT</u>	<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>TOTAL</u>
Total Estimated Cost (TEC)	\$11,243,331	8.93% \$1,004,029	18.84% \$2,307,129	\$14,554,489
Total Estimated Cost (TEC)	\$11,243,331	8.93% \$1,004,029	18.84% \$2,307,129	\$14,554,489
Rounded TEC (Rounded to the nearest \$ 10000)				\$14,550,000

	Remarks
Type of Estimate: <u>Title I</u>	
Estimator: <u>J. C. Grenz</u>	
Checked By: 	
Approved By: 	

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## Project Summary Report

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

<u>LEVEL</u>		<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
1000	CONSTRUCTION MANAGEMENT	\$1,112,255	\$99,324	\$181,737	15.00%	\$1,393,316
1100	--CONSTRUCTION SUPERVISION & ENGINEERING	\$975,208	\$87,086	\$159,344	15.00%	\$1,221,638
1110	--CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE	\$137,048	\$12,238	\$22,393	15.00%	\$171,679
3000	TITLE II DESIGN	\$1,645,646	\$146,956	\$268,890	15.00%	\$2,061,493
3400	--DESIGN ACTIVITIES	\$1,637,722	\$146,249	\$267,596	15.00%	\$2,051,566
3700	--COST ESTIMATE	\$7,924	\$708	\$1,295	15.00%	\$9,926
4000	QUALITY ASSURANCE	\$54,520	\$4,869	\$11,878	20.00%	\$71,267
4100	--QUALITY ASSURANCE	\$54,520	\$4,869	\$11,878	20.00%	\$71,267
5000	PROJECT MANAGEMENT	\$386,578	\$34,521	\$63,165	15.00%	\$484,264
5100	--PM ADMINISTRATION	\$379,044	\$33,849	\$61,934	15.00%	\$474,827
5110	--CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE	\$7,533	\$673	\$1,231	15.00%	\$9,437
6000	CONSTRUCTION AE SUPPORT	\$151,758	\$13,552	\$16,531	10.00%	\$181,841
6100	--DISPOSITION OF FIELD PROBLEMS	\$86,719	\$7,744	\$9,446	10.00%	\$103,909
6200	--VENDOR DATA REVIEW	\$65,039	\$5,808	\$7,085	10.00%	\$77,932
9000	CONSTRUCTION	\$7,697,629	\$687,398	\$1,764,928	21.05%	\$10,149,956
9100	--CONSTRUCTION SUBCONTRACTS	\$7,697,629	\$687,398	\$1,764,928	21.05%	\$10,149,956
9101	---GENERAL CONDITIONS	\$142,578	\$12,732	\$23,297	15.00%	\$178,607
9101.1	---GENERAL CONDITIONS	\$130,501	\$11,654	\$21,323	15.00%	\$163,477
9101.2	---CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE	\$12,077	\$1,078	\$1,973	15.00%	\$15,129
9102	---SITEWORK	\$1,617,464	\$144,440	\$394,634	22.40%	\$2,156,537

**INEEL**

10/25/2000 08:32:11

Success Estimating and Cost Management System

Page No. 1

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## Project Summary Report

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

<u>LEVEL</u>	<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
9102.101 —General Site Work	\$1,138,551	\$101,673	\$186,034	15.00%	\$1,426,258
9102.102 —Out-of-Plant Utilities	\$307,988	\$27,503	\$57,034	17.00%	\$392,525
9102.103 —In-INTEC Utilities	\$138,169	\$12,338	\$130,942	87.00%	\$281,449
9102.104 —Truck Scale Ex & Fill	\$6,503	\$581	\$2,479	35.00%	\$9,563
9102.201 —Admin Bldg Ex and Fill	\$6,498	\$580	\$3,185	45.00%	\$10,264
9102.401 —Treatment Building Excavation/Backfill	\$13,532	\$1,208	\$13,266	90.00%	\$28,006
9102.501 —Decon Bldg Ex and Fill	\$6,222	\$556	\$1,694	25.00%	\$8,472
<b>9103 —CONCRETE</b>	<b>\$1,826,002</b>	<b>\$163,062</b>	<b>\$443,571</b>	<b>22.30%</b>	<b>\$2,432,636</b>
9103.102 —Out-of-Plant Concrete	\$803,720	\$71,772	\$96,304	11.00%	\$971,796
9103.103 —In-INTEC Concrete	\$167,175	\$14,929	\$32,779	18.00%	\$214,883
9103.104 —Truck Scale Concrete	\$119,356	\$10,658	\$39,004	30.00%	\$169,018
9103.201 —Admin Bldg Concrete	\$105,761	\$9,444	\$18,433	16.00%	\$133,638
9103.401 —Treatment Bldg Concrete	\$553,716	\$49,447	\$241,265	40.00%	\$844,428
9103.501 —Decon Bldg Concrete	\$76,274	\$6,811	\$15,786	19.00%	\$98,872
<b>9104 —MASONRY</b>	<b>\$3,639</b>	<b>\$325</b>	<b>\$951</b>	<b>24.00%</b>	<b>\$4,915</b>
9104.501 —Decon Bldg	\$3,639	\$325	\$951	24.00%	\$4,915
<b>9105 —METALS</b>	<b>\$244,228</b>	<b>\$21,810</b>	<b>\$93,113</b>	<b>35.00%</b>	<b>\$359,150</b>
9105.401 —Treatment Building Structural	\$231,014	\$20,630	\$88,075	35.00%	\$339,718
9105.501 —Decon Bldg Misc Steel	\$13,214	\$1,180	\$5,038	35.00%	\$19,432
<b>9107 —THERMAL &amp; MOISTURE PROTECTION</b>	<b>\$157,980</b>	<b>\$14,108</b>	<b>\$17,209</b>	<b>10.00%</b>	<b>\$189,296</b>
9107.201 —Admin Bldg Insulation	\$9,368	\$837	\$1,020	10.00%	\$11,225
9107.401 —Treatment Bldg. Siding & Roofing	\$148,612	\$13,271	\$16,188	10.00%	\$178,072

**INEEL**

10/25/2000 08:32:11

**Success Estimating and Cost Management System**

Page No. 2



Project Name: **Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## Project Summary Report

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

<u>LEVEL</u>		<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
9108	—DOORS & WINDOWS	\$141,212	\$12,610	\$12,306	8.00%	\$166,128
9108.201	—Admin Bldg Doors	\$28,650	\$2,558	\$2,497	8.00%	\$33,705
9108.401	—Treatment Bldg Doors	\$83,936	\$7,495	\$7,314	8.00%	\$98,746
9108.501	—Decon Bldg Doors	\$28,626	\$2,556	\$2,495	8.00%	\$33,677
9109	—FINISHES	\$186,722	\$16,674	\$49,436	24.31%	\$252,832
9109.201	—Admin Bldg	\$112,146	\$10,015	\$17,102	14.00%	\$139,263
9109.401	—Treatment Bldg. Painting	\$58,332	\$5,209	\$19,062	30.00%	\$82,603
9109.501	—Decon Bldg	\$16,244	\$1,451	\$13,271	75.00%	\$30,966
9111	—EQUIPMENT	\$471,175	\$42,076	\$98,631	19.22%	\$611,882
9111.104	—Truck Scale	\$137,797	\$12,305	\$40,528	27.00%	\$190,631
9111.401	—Treatment Bldg Eq	\$333,377	\$29,771	\$58,104	16.00%	\$421,252
9113	—SPECIAL CONSTRUCTION	\$269,757	\$24,089	\$53,944	18.36%	\$347,790
9113.101	—Container Tracking System	\$35,000	\$3,126	\$31,263	82.00%	\$69,388
9113.201	—Admin Building	\$113,546	\$10,140	\$16,079	13.00%	\$139,765
9113.501	—Decon Building	\$121,211	\$10,824	\$6,602	5.00%	\$138,637
9114	—CONVEYING SYSTEMS	\$177,376	\$15,840	\$19,322	10.00%	\$212,538
9114.401	—Treatment Bldg Conveyors	\$177,376	\$15,840	\$19,322	10.00%	\$212,538
9115	—MECHANICAL	\$570,744	\$50,967	\$145,037	23.33%	\$766,749
9115.201	—Admin Bldg	\$210,606	\$18,807	\$18,353	8.00%	\$247,766
9115.401	—Treatment Bldg Mech	\$109,522	\$9,780	\$40,563	34.00%	\$159,865
9115.402	—Treatment Bldg HVAC	\$118,483	\$10,581	\$64,532	50.00%	\$193,596
9115.501	—Decon Bldg	\$132,133	\$11,799	\$21,590	15.00%	\$165,522

**INEEL**

10/25/2000 08:32:11

Success Estimating and Cost Management System

Page No. 3

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## Project Summary Report

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

<u>LEVEL</u>	<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
9116 —ELECTRICAL	\$805,955	\$71,972	\$212,963	24.26%	\$1,090,890
9116.101 —General Site Electrical	\$328,312	\$29,140	\$71,090	20.00%	\$426,542
9116.102 —Main Transformers and Switchgear	\$245,200	\$21,896	\$80,129	30.00%	\$347,225
9116.201 —Admin Building	\$51,096	\$4,563	\$6,122	11.00%	\$61,781
9116.401 —Treatment Bldg. Elect	\$153,022	\$13,665	\$50,006	30.00%	\$216,693
9116.501 —Decon Building	\$30,325	\$2,708	\$5,616	17.00%	\$38,649
9190 —CONTRACTOR QUALITY CONTROL	\$1,082,798	\$96,694	\$200,514	17.00%	\$1,380,006
9190.101 —Contractor Quality Assurance	\$777,892	\$69,466	\$144,051	17.00%	\$991,409
9190.201 —Contractor Quality Control	\$304,906	\$27,228	\$56,463	17.00%	\$388,597
GAPIF BBWI PF AND G&A	\$194,944	\$17,408	\$0	0.00%	\$212,352
<hr/>					
Total SSSTF 30%	\$11,243,331	\$1,004,029	\$2,307,129	18.84%	\$14,554,489

INEEL

10/25/2000 08:32:11

Success Estimating and Cost Management System

Page No. 4

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>1100 CONSTRUCTION SUPERVISION &amp; ENGINEERING</b>										
	6340	U.C. per Wk	40	E30	3070.798	0	0	0	0	3070.798
Construction Coordinator or Manager		65.00	2,600	\$76.77	\$199,602	\$0	\$0	\$0	\$0	\$199,602
	6340	U.C. per Wk	40	E30	3070.798	0	0	0	0	3070.798
Construction Engineer		65.00	2,600	\$76.77	\$199,602	\$0	\$0	\$0	\$0	\$199,602
	6340	U.C. per Wk	40	E30	3070.798	0	0	0	0	3070.798
Quality		65.00	2,600	\$76.77	\$199,602	\$0	\$0	\$0	\$0	\$199,602
	6340	U.C. per Wk	40	E30	3070.798	0	0	0	0	3070.798
ES&H		65.00	2,600	\$76.77	\$199,602	\$0	\$0	\$0	\$0	\$199,602
	6340	U.C. per Hour	1	CN-CMINTE	34	0	0	0	0	34
Pool Account		5,200.00	5,200	\$34.00	\$176,800	\$0	\$0	\$0	\$0	\$176,800
Subtotal					\$975,208	\$0	\$0	\$0	\$0	\$975,208
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$975,208
Escalation					\$87,086	\$0	\$0	\$0	\$0	\$87,086
Contingency					\$159,344	\$0	\$0	\$0	\$0	\$159,344
<b>---Total 1100 CONSTRUCTION SUPERVISION &amp; ENGINEERING</b>			<b>15,600</b>		<b>\$1,221,638</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,221,638</b>
<b>1110 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>										
	6340	U.C. per LOT	10	E30	767.7	0	0	0	0	767.7
FINALIZE HAZARDOUS PROFILE SCREENING CHECKLIST		1.00	10	\$76.77	\$768	\$0	\$0	\$0	\$0	\$768
	6340	U.C. per Lot	55	E30	4222.347	0	0	0	0	4222.347
Assemble Planning Team		1.00	55	\$76.77	\$4,222	\$0	\$0	\$0	\$0	\$4,222
	6340	U.C. per LOT	25	E30	1919.249	0	0	0	0	1919.249
PREPARE SUPPORTING PROJECT DOCUMENTS Memo: Work Oder, Special Conditions, etc.		1.00	25	\$76.77	\$1,919	\$0	\$0	\$0	\$0	\$1,919
	6340	U.C. per JSA	20	E30	1535.399	0	0	0	0	1535.399
Develop Initial JSA & Input To Work Order		1.00	20	\$76.77	\$1,535	\$0	\$0	\$0	\$0	\$1,535
	6340	U.C. per LOT	5	E30	383.85	0	0	0	0	383.85
APPROVE WORK ORDER - CM		1.00	5	\$76.77	\$384	\$0	\$0	\$0	\$0	\$384
	6340	U.C. per SME	5	E30	383.85	0	0	0	0	383.85
APPROVE WORK ORDER - SME		1.00	5	\$76.77	\$384	\$0	\$0	\$0	\$0	\$384
	6340	U.C. per Wks	4	E30	307.08	0	0	0	0	307.08
SCHEDULE WORK ON POD		56.00	224	\$76.77	\$17,196	\$0	\$0	\$0	\$0	\$17,196
	6340	U.C. per Wks	4	E30	307.08	0	0	0	0	307.08
Project Continuous Surviellance (1 Hours / Day)		56.00	224	\$76.77	\$17,196	\$0	\$0	\$0	\$0	\$17,196

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

## CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 1110 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>										
OUTAGES	6340	U.C. per EA	10.00	20 200	E30 \$76.77	1535.399 \$15,354	0 \$0	0 \$0	0 \$0	1535.399 \$15,354
SUBSURFACE INVESTIGATION	6340	U.C. per EA	10.00	20 200	E30 \$76.77	1535.399 \$15,354	0 \$0	0 \$0	0 \$0	1535.399 \$15,354
Update Work Control Package	6340	U.C. per wks	56.00	4 224	E30 \$76.77	307.08 \$17,196	0 \$0	0 \$0	0 \$0	307.08 \$17,196
POST JOB REVIEW	6340	U.C. per LOT	1.00	10 10	E30 \$76.77	767.7 \$768	0 \$0	0 \$0	0 \$0	767.7 \$768
Work Order Closeout	6340	U.C. per Lot	1.00	10 10	E30 \$76.77	767.7 \$768	0 \$0	0 \$0	0 \$0	767.7 \$768
Work Package Lessons Learned Feed Back	6340	U.C. per LOT	1.00	24 24	E30 \$76.77	1842.479 \$1,842	0 \$0	0 \$0	0 \$0	1842.479 \$1,842
00401400 Pool Account	6340	U.C. per Hours	1,240.00	1 1,240	CN-CMINT \$34.00	34 \$42,160	0 \$0	0 \$0	0 \$0	34 \$42,160
Subtotal					\$137,048	\$0	\$0	\$0	\$0	\$137,048
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$137,048
Escalation					\$12,238	\$0	\$0	\$0	\$0	\$12,238
Contingency					\$22,393	\$0	\$0	\$0	\$0	\$22,393
<b>---Total 1110 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>				<b>2,476</b>		<b>\$171,679</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$171,679</b>
<b>--- 3400 DESIGN ACTIVITIES</b>										
<i>Memo: Technical activities including calculations, (EDFs), internal peer reviews, specifications, etc.</i>										
Agency 30% Meeting	6710	U.C. per hr	128.00	1 128	E11 \$77.43	77.428 \$9,911	0 \$0	0 \$0	0 \$0	77.428 \$9,911
Inc Agency Comments	6710	U.C. per hr	2,370.00	1 2,370	E11 \$77.43	77.428 \$183,504	0 \$0	0 \$0	0 \$0	77.428 \$183,504
Treatability Studies/Stabilization	6710	U.C. per hr	1,450.00	1 1,450	E11 \$77.43	77.428 \$112,270	0 \$0	0 \$0	0 \$0	77.428 \$112,270
Data Mgt Plan for Waste Tracking	6710	U.C. per hr	480.00	1 480	E11 \$77.43	77.428 \$37,165	0 \$0	0 \$0	0 \$0	77.428 \$37,165
Title II Plans & Specs	6710	U.C. per hr	8,850.00	1 8,850	E11 \$77.43	77.428 \$685,235	0 \$0	0 \$0	0 \$0	77.428 \$685,235
Conf Mgt/Baseline Maint	6710	U.C. per hr	1,700.00	1 1,700	E11 \$77.43	77.428 \$131,627	0 \$0	0 \$0	0 \$0	77.428 \$131,627

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>3400 DESIGN ACTIVITIES</b>										
<i>Memo: Technical activities including calculations, (EDFs), internal peer reviews, specifications, etc.</i>										
	6710	U.C. per hr	1	E11	77.428	0	0	0	0	77.428
Support ORB 90% Review		1,700.00	1,700	\$77.43	\$131,627	\$0	\$0	\$0	\$0	\$131,627
	6710	U.C. per hr	1	E11	77.428	0	0	0	0	77.428
Inc 90% Comments		1,920.00	1,920	\$77.43	\$148,661	\$0	\$0	\$0	\$0	\$148,661
	6710	U.C. per Hr	0.115	Z09	10.63	0	0	0	0	10.63
Design Supervision @ 11.5%		18,600.00	2,139	\$92.44	\$197,723	\$0	\$0	\$0	\$0	\$197,723
Subtotal					\$1,637,722	\$0	\$0	\$0	\$0	\$1,637,722
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$1,637,722
Escalation					\$146,249	\$0	\$0	\$0	\$0	\$146,249
Contingency					\$267,596	\$0	\$0	\$0	\$0	\$267,596
<b>---Total 3400 DESIGN ACTIVITIES</b>			<b>20,737</b>		<b>\$2,051,566</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,051,566</b>
<b>3700 COST ESTIMATE</b>										
<i>Memo: Estimating services during design.</i>										
	2240	U.C. per Lot	100	F22	6670.541	0	0	0	0	6670.541
Cost Estimate - Title II / AFC		1.00	100	\$66.71	\$6,671	\$0	\$0	\$0	\$0	\$6,671
	2240	U.C. per Hr	0.14	Z01	12.535	0	0	0	0	12.535
Cost Estimating Management Support - 14% Of Estimating Total		100.00	14	\$89.54	\$1,254	\$0	\$0	\$0	\$0	\$1,254
Subtotal					\$7,924	\$0	\$0	\$0	\$0	\$7,924
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$7,924
Escalation					\$708	\$0	\$0	\$0	\$0	\$708
Contingency					\$1,295	\$0	\$0	\$0	\$0	\$1,295
<b>---Total 3700 COST ESTIMATE</b>			<b>114</b>		<b>\$9,926</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,926</b>
<b>4100 QUALITY ASSURANCE</b>										
<i>Memo: All Quality Engineering actions and inspections-related actions that are required to plan and perform surveillance-related (oversite) activities during the execution and start-up phases of a project.</i>										
	7260	U.C. per wk	10	T12	520.157	0	0	0	0	520.157
Inspection and Overview		56.00	560	\$52.02	\$29,129	\$0	\$0	\$0	\$0	\$29,129
	7260	U.C. per wk	5	T12	260.078	0	0	0	0	260.078
Vendor Data Review and Field Problems		56.00	280	\$52.02	\$14,564	\$0	\$0	\$0	\$0	\$14,564
	7260	U.C. per Ea	40	T12	2080.626	0	0	0	0	2080.626
Inspection Plan Preparation		1.00	40	\$52.02	\$2,081	\$0	\$0	\$0	\$0	\$2,081

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const	Eqp	Matl	S/C	Other	TOTAL
<b>4100 QUALITY ASSURANCE</b>											
Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related (oversite) activities during the execution and start-up phases of a project.											
	7260	U.C. per Hr	0.1	Z03	9.939	0		0	0	0	9.939
Quality Assurance Supervision @ 10%		880.00	88	\$99.39	\$8,747	\$0		\$0	\$0	\$0	\$8,747
Subtotal					\$54,520	\$0		\$0	\$0	\$0	\$54,520
Sales Tax					\$0	\$0		\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0		\$0	\$0	\$0	\$0
Subtotal Estimate											\$54,520
Escalation					\$4,869	\$0		\$0	\$0	\$0	\$4,869
Contingency					\$11,878	\$0		\$0	\$0	\$0	\$11,878
<b>Total 4100 QUALITY ASSURANCE</b>			<b>968</b>		<b>\$71,267</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$71,267</b>
<b>5100 PM ADMINISTRATION</b>											
	6210	U.C. per Wk	40	E30	3070.798	0		0	0	0	3070.798
Project Manager Cost		65.00	2,600	\$76.77	\$199,602	\$0		\$0	\$0	\$0	\$199,602
	2300	U.C. per Wk	40	P21	2313.46	0		0	0	0	2313.46
Subcontract Administrator		65.00	2,600	\$57.84	\$150,375	\$0		\$0	\$0	\$0	\$150,375
	6210	U.C. per Hr	0.1	Z04	11.18	0		0	0	0	11.18
Project Management - Management Support - 10% Of P.M. Total		2,600.00	260	\$111.80	\$29,067	\$0		\$0	\$0	\$0	\$29,067
Subtotal					\$379,044	\$0		\$0	\$0	\$0	\$379,044
Sales Tax					\$0	\$0		\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0		\$0	\$0	\$0	\$0
Subtotal Estimate											\$379,044
Escalation					\$33,849	\$0		\$0	\$0	\$0	\$33,849
Contingency					\$61,934	\$0		\$0	\$0	\$0	\$61,934
<b>Total 5100 PM ADMINISTRATION</b>			<b>5,460</b>		<b>\$474,827</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$474,827</b>
<b>5110 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>											
	6200	U.C. per LOT	4	E30	307.08	0		0	0	0	307.08
ORIGINATE WCF		1.00	4	\$76.77	\$307	\$0		\$0	\$0	\$0	\$307
	6200	U.C. per LOT	40	E30	3070.798	0		0	0	0	3070.798
FINALIZE HPSC		1.00	40	\$76.77	\$3,071	\$0		\$0	\$0	\$0	\$3,071
	6200	U.C. per Lot	10	E30	767.7	0		0	0	0	767.7
Assemble Planning Team		1.00	10	\$76.77	\$768	\$0		\$0	\$0	\$0	\$768
	6200	U.C. per LOT	4	E30	307.08	0		0	0	0	307.08
DETERMINE PLANNING LEVEL AND UPDATE WCF		1.00	4	\$76.77	\$307	\$0		\$0	\$0	\$0	\$307

Project Name:  
 Staging, Storage, Sizing, and Treatment Facility  
 Project Location: INTEC  
 Estimate Number: 2959-C

## CONSTRUCTION DETAIL ITEM REPORT

Client: R. L. Davison  
 Prepared By: J. C. Grenz  
 Estimate Type: Title I

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>5110 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>										
	6200	U.C. per LOT	30	E30	2303.099	0	0	0	0	2303.099
PREPARE SUPPORTING HAZARDS PROJECT DOCUMENTATION		1.00	30	\$76.77	\$2,303	\$0	\$0	\$0	\$0	\$2,303
	6200	U.C. per LOT	10	E30	767.7	0	0	0	0	767.7
POST JOB REVIEW		1.00	10	\$76.77	\$768	\$0	\$0	\$0	\$0	\$768
	6200	U.C. per \$			0.1	0	0	0	0	0.1
Project Management - Management Support - 10% Of P.M.		100.00	0		\$10	\$0	\$0	\$0	\$0	\$10
Total										
Subtotal					\$7,533	\$0	\$0	\$0	\$0	\$7,533
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$7,533
Escalation					\$673	\$0	\$0	\$0	\$0	\$673
Contingency					\$1,231	\$0	\$0	\$0	\$0	\$1,231
<b>---Total 5110 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>			<b>98</b>		<b>\$9,437</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,437</b>
<b>6100 DISPOSITION OF FIELD PROBLEMS</b>										
	6710	U.C. per wks	20	E11	1548.553	0	0	0	0	1548.553
CID Support		56.00	1,120	\$77.43	\$86,719	\$0	\$0	\$0	\$0	\$86,719
Subtotal					\$86,719	\$0	\$0	\$0	\$0	\$86,719
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$86,719
Escalation					\$7,744	\$0	\$0	\$0	\$0	\$7,744
Contingency					\$9,446	\$0	\$0	\$0	\$0	\$9,446
<b>---Total 6100 DISPOSITION OF FIELD PROBLEMS</b>			<b>1,120</b>		<b>\$103,909</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$103,909</b>
<b>6200 VENDOR DATA REVIEW</b>										
	6710	U.C. per wks	15	E11	1161.415	0	0	0	0	1161.415
Look over Vendor Data		56.00	840	\$77.43	\$65,039	\$0	\$0	\$0	\$0	\$65,039
Subtotal					\$65,039	\$0	\$0	\$0	\$0	\$65,039
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$65,039
Escalation					\$5,808	\$0	\$0	\$0	\$0	\$5,808
Contingency					\$7,085	\$0	\$0	\$0	\$0	\$7,085
<b>---Total 6200 VENDOR DATA REVIEW</b>			<b>840</b>		<b>\$77,932</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$77,932</b>

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9101.1 GENERAL CONDITIONS</b>										
	GEN	U.C. per Wk	40	CN-SUPR	1600	0	0	0	0	1600
Supervision		56.00	2,240	\$40.00	\$89,600	\$0	\$0	\$0	\$0	\$89,600
	GEN	U.C. per Men	4	CN-LABR	126.32	0	0	0	0	126.32
Training		30.00	120	\$31.58	\$3,790	\$0	\$0	\$0	\$0	\$3,790
	GEN	U.C. per Lot		CN-LABR	0	0	0	0	10000	10000
Mobilization & Demobilization		1.00	0		\$0	\$0	\$0	\$0	\$10,000	\$10,000
Subtotal					\$93,390	\$0	\$0	\$0	\$10,000	\$103,390
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$27,111	\$0	\$0	\$0	\$0	\$27,111
Subtotal Estimate										\$130,501
Escalation					\$10,781	\$0	\$0	\$0	\$893	\$11,654
Contingency					\$19,689	\$0	\$0	\$0	\$1,634	\$21,323
<b>---Total 9101.1 GENERAL CONDITIONS</b>			<b>2,360</b>		<b>\$150,951</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,527</b>	<b>\$163,477</b>
<b>--- 9101.2 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>										
	GEN	U.C. per Wks	4	CN-SUPR	160	0	0	0	0	160
WORKABILITY WALKDOWN - 1 HR/DAY X __ WORKERS X 4 DAY/WK		56.00	224	\$40.00	\$8,960	\$0	\$0	\$0	\$0	\$8,960
	GEN	U.C. per LOT	10	CN-SUPR	400	0	0	0	0	400
POST JOB REVIEW		1.00	10	\$40.00	\$400	\$0	\$0	\$0	\$0	\$400
Subtotal					\$9,360	\$0	\$0	\$0	\$0	\$9,360
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$2,717	\$0	\$0	\$0	\$0	\$2,717
Subtotal Estimate										\$12,077
Escalation					\$1,078	\$0	\$0	\$0	\$0	\$1,078
Contingency					\$1,973	\$0	\$0	\$0	\$0	\$1,973
<b>---Total 9101.2 CONDUCT OF OPERATIONS/CONDUCT OF MAINTENANCE</b>			<b>234</b>		<b>\$15,129</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,129</b>
<b>--- 9102.101 General Site Work</b>										
	GEN	U.C. per ac			540	885	0	0	0	1425
Clearing/ Grubbing		13.00	0		\$7,020	\$11,505	\$0	\$0	\$0	\$18,525
	GEN	U.C. per cy			1	1.65	0	0	0	2.65
Cut/ Fill		13,000.00	0		\$13,000	\$21,450	\$0	\$0	\$0	\$34,450
	GEN	U.C. per sf			0	0	0	1.5	0	1.5
Asphalt		403,200.00	0		\$0	\$0	\$0	\$604,800	\$0	\$604,800
	GEN	U.C. per lf	0.2	CN-IRON	8.7	2.5	16	0	0	27.2
6' Perimeter Fence		3,220.00	644	\$43.50	\$28,014	\$8,050	\$51,520	\$0	\$0	\$87,584



Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

## CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9102.101 General Site Work</b>										
20' Gate	GEN	U.C. per ea	30	CN-IRON	1305	400	650	0	0	2355
		4.00	120	\$43.50	\$5,220	\$1,600	\$2,600	\$0	\$0	\$9,420
Fence Grounding	ELEC	U.C. per lf	0.15	CN-ELEC	5.384	2	2	0	0	9.384
		500.00	75	\$35.89	\$2,692	\$1,000	\$1,000	\$0	\$0	\$4,692
Underground Fire Pipe	FP	U.C. per lf		CN-SPRI	0	0	0	13	0	13
		4,720.00	0		\$0	\$0	\$0	\$61,360	\$0	\$61,360
Fire Hydrants	FP	U.C. per ea		CN-SPRI	0	0	0	1800	0	1800
		7.00	0		\$0	\$0	\$0	\$12,600	\$0	\$12,600
PIV Valves	FP	U.C. per ea		CN-SPRI	0	0	0	2000	0	2000
		9.00	0		\$0	\$0	\$0	\$18,000	\$0	\$18,000
U. G. Discharge Pipe	MECH	U.C. per lf		CN-PIPE	0	0	0	10	0	10
		480.00	0		\$0	\$0	\$0	\$4,800	\$0	\$4,800
U. G. Raw Water	MECH	U.C. per lf		CN-PIPE	0	0	0	10	0	10
		1,010.00	0		\$0	\$0	\$0	\$10,100	\$0	\$10,100
U. G. Sewage Pipe	MECH	U.C. per lf	0.1	CN-PIPE	3.933	0	2.2	0	0	6.133
		200.00	20	\$39.33	\$787	\$0	\$440	\$0	\$0	\$1,227
Subtotal					\$56,732	\$43,605	\$55,560	\$711,660	\$0	\$867,557
Sales Tax					\$0	\$0	\$2,778	\$0	\$0	\$2,778
INEEL ORG Labor/Subcontractor Overheads					\$16,967	\$12,788	\$17,159	\$221,303	\$0	\$268,216
Subtotal Estimate										\$1,138,551
Escalation					\$6,581	\$5,036	\$6,742	\$83,314	\$0	\$101,673
Contingency					\$12,042	\$9,214	\$12,336	\$152,441	\$0	\$186,034
<b>--- Total 9102.101 General Site Work</b>			<b>859</b>		<b>\$92,322</b>	<b>\$70,643</b>	<b>\$94,575</b>	<b>\$1,168,717</b>	<b>\$0</b>	<b>\$1,426,258</b>
<b>--- 9102.102 Out-of-Plant Utilities</b>										
Trench Excavation	GEN	U.C. per cy			1.25	0.95	0	0	0	2.2
		34,200.00	0		\$42,750	\$32,490	\$0	\$0	\$0	\$75,240
Trench Backfill	GEN	U.C. per cy			2.5	0.65	0	0	0	3.15
		34,200.00	0		\$85,500	\$22,230	\$0	\$0	\$0	\$107,730
Sand Bedding	GEN	U.C. per cy			2.5	0.65	10	0	0	13.15
		3,300.00	0		\$8,250	\$2,145	\$33,000	\$0	\$0	\$43,395

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

## CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9102.102 Out-of-Plant Utilities</b>										
	GEN	U.C. per ea			180	80	600	0	0	860
Pull Boxes(handholes)		12.00	0		\$2,160	\$960	\$7,200	\$0	\$0	\$10,320
Subtotal					\$138,660	\$57,825	\$40,200	\$0	\$0	\$236,685
Sales Tax					\$0	\$0	\$2,010	\$0	\$0	\$2,010
INEEL ORG Labor/Subcontractor Overheads					\$40,253	\$16,787	\$12,254	\$0	\$0	\$69,293
Subtotal Estimate										\$307,988
Escalation					\$15,977	\$6,663	\$4,864	\$0	\$0	\$27,503
Contingency					\$33,131	\$13,817	\$10,086	\$0	\$0	\$57,034
<b>---Total 9102.102 Out-of-Plant Utilities</b>			<b>0</b>		<b>\$228,021</b>	<b>\$95,091</b>	<b>\$69,413</b>	<b>\$0</b>	<b>\$0</b>	<b>\$392,525</b>
<b>--- 9102.103 In-INTEC Utilities</b>										
	GEN	U.C. per cy			2.5	1.8	0	0	0	4.3
Trench Excavation		7,500.00	0		\$18,750	\$13,500	\$0	\$0	\$0	\$32,250
Trench Backfill	GEN	U.C. per cy			4.95	1.25	0	0	0	6.2
		7,500.00	0		\$37,125	\$9,375	\$0	\$0	\$0	\$46,500
Sand Bedding	GEN	U.C. per cy			4.95	0	10	0	0	14.95
		570.00	0		\$2,822	\$0	\$5,700	\$0	\$0	\$8,522
Other Utility Support	GEN	U.C. per ea	20	CN-LABR	631.6	500	0	0	0	1131.6
		4.00	80	\$31.58	\$2,526	\$2,000	\$0	\$0	\$0	\$4,526
Repair Asphalt	GEN	U.C. per sf			0	0	0	3	0	3
		5,000.00	0		\$0	\$0	\$0	\$15,000	\$0	\$15,000
Subtotal					\$61,223	\$24,875	\$5,700	\$15,000	\$0	\$106,798
Sales Tax					\$0	\$0	\$285	\$0	\$0	\$285
INEEL ORG Labor/Subcontractor Overheads					\$17,773	\$7,221	\$1,737	\$4,355	\$0	\$31,086
Subtotal Estimate										\$138,169
Escalation					\$7,054	\$2,866	\$690	\$1,728	\$0	\$12,338
Contingency					\$74,864	\$30,417	\$7,318	\$18,342	\$0	\$130,942
<b>---Total 9102.103 In-INTEC Utilities</b>			<b>80</b>		<b>\$160,914</b>	<b>\$65,380</b>	<b>\$15,731</b>	<b>\$39,425</b>	<b>\$0</b>	<b>\$281,449</b>
<b>--- 9102.104 Truck Scale Ex &amp; Fill</b>										
	GEN	U.C. per cy			1.25	0.95	0	0	0	2.2
Excavation		840.00	0		\$1,050	\$798	\$0	\$0	\$0	\$1,848
Backfill	GEN	U.C. per cy			2.5	0.65	0	0	0	3.15
		840.00	0		\$2,100	\$546	\$0	\$0	\$0	\$2,646

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
<b>--- 9102.104 Truck Scale Ex &amp; Fill</b>										
	GEN	U.C. per cy			2.5	0.65	10	0	0	13.15
Sand Bedding		40.00	0		\$100	\$26	\$400	\$0	\$0	\$526
<hr/>										
Subtotal					\$3,250	\$1,370	\$400	\$0	\$0	\$5,020
Sales Tax					\$0	\$0	\$20	\$0	\$0	\$20
INEEL ORG Labor/Subcontractor Overheads					\$943	\$398	\$122	\$0	\$0	\$1,463
<hr/>										
Subtotal Estimate										\$6,503
Escalation					\$374	\$158	\$48	\$0	\$0	\$581
Contingency					\$1,599	\$674	\$207	\$0	\$0	\$2,479
<hr/>										
<b>--- Total 9102.104 Truck Scale Ex &amp; Fill</b>			<b>0</b>		<b>\$6,167</b>	<b>\$2,600</b>	<b>\$797</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,563</b>
<hr/>										
<b>--- 9102.201 Admin Bldg Ex and Fill</b>										
	GEN	U.C. per cy			1.25	0.95	0	0	0	2.2
Excavation		750.00	0		\$938	\$713	\$0	\$0	\$0	\$1,650
<hr/>										
	GEN	U.C. per cy			2.5	0.65	0	0	0	3.15
Backfill		750.00	0		\$1,875	\$488	\$0	\$0	\$0	\$2,363
<hr/>										
	GEN	U.C. per cy			2.5	0.65	10	0	0	13.15
Sand Bedding		75.00	0		\$188	\$49	\$750	\$0	\$0	\$986
<hr/>										
Subtotal					\$3,000	\$1,249	\$750	\$0	\$0	\$4,999
Sales Tax					\$0	\$0	\$38	\$0	\$0	\$38
INEEL ORG Labor/Subcontractor Overheads					\$871	\$363	\$229	\$0	\$0	\$1,462
<hr/>										
Subtotal Estimate										\$6,498
Escalation					\$346	\$144	\$91	\$0	\$0	\$580
Contingency					\$1,897	\$790	\$498	\$0	\$0	\$3,185
<hr/>										
<b>--- Total 9102.201 Admin Bldg Ex and Fill</b>			<b>0</b>		<b>\$6,114</b>	<b>\$2,545</b>	<b>\$1,605</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,264</b>
<hr/>										
<b>--- 9102.401 Treatment Building Excavation/Backfill</b>										
	GEN	U.C. per cy			1	1.65	0	0	0	2.65
Treatment Building Scraper Excavation		1,500.00	0		\$1,500	\$2,475	\$0	\$0	\$0	\$3,975
<hr/>										
	GEN	U.C. per hr		1	CN-EQMD	34.75	0	0	0	34.75
Treatment Building Hoe Ex. Labor		40.00	40		\$34.75	\$0	\$0	\$0	\$0	\$1,390
<hr/>										
00E0930	GEN	U.C. per hr		1	00E0930	0	28.68	0	0	28.68
Case 590 Loader/Hoe		40.00	40		\$0	\$1,147	\$0	\$0	\$0	\$1,147

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9102.401 Treatment Building Excavation/Backfill</b>										
	GEN	U.C. per cy			1	1.65	0	0	0	2.65
Treatment Building Scraper Backfill		1,500.00	0		\$1,500	\$2,475	\$0	\$0	\$0	\$3,975
<hr/>										
Subtotal					\$4,390	\$6,097	\$0	\$0	\$0	\$10,487
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$1,274	\$1,770	\$0	\$0	\$0	\$3,044
<hr/>										
Subtotal Estimate										\$13,532
Escalation					\$506	\$703	\$0	\$0	\$0	\$1,208
Contingency					\$5,553	\$7,713	\$0	\$0	\$0	\$13,266
<hr/>										
<b>---Total 9102.401 Treatment Building Excavation/Backfill</b>			<b>40</b>		<b>\$11,723</b>	<b>\$16,283</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,006</b>
<hr/>										
<b>--- 9102.501 Decon Bldg Ex and Fill</b>										
	GEN	U.C. per cy			1.25	0.95	0	0	0	2.2
Excavation		710.00	0		\$888	\$675	\$0	\$0	\$0	\$1,562
	GEN	U.C. per cy			2.5	0.65	0	0	0	3.15
Backfill		710.00	0		\$1,775	\$462	\$0	\$0	\$0	\$2,237
	GEN	U.C. per cy			2.5	0.65	10	0	0	13.15
Sand Bedding		75.00	0		\$188	\$49	\$750	\$0	\$0	\$986
<hr/>										
Subtotal					\$2,850	\$1,185	\$750	\$0	\$0	\$4,785
Sales Tax					\$0	\$0	\$38	\$0	\$0	\$38
INEEL ORG Labor/Subcontractor Overheads					\$827	\$344	\$229	\$0	\$0	\$1,400
<hr/>										
Subtotal Estimate										\$6,222
Escalation					\$328	\$137	\$91	\$0	\$0	\$556
Contingency					\$1,001	\$416	\$277	\$0	\$0	\$1,694
<hr/>										
<b>---Total 9102.501 Decon Bldg Ex and Fill</b>			<b>0</b>		<b>\$5,007</b>	<b>\$2,081</b>	<b>\$1,384</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,472</b>
<hr/>										
<b>--- 9103.102 Out-of-Plant Concrete</b>										
	GEN	U.C. per sf		CN-CARP	5.372	0	1.5	0	0	6.872
Form Duct Bank		5,340.00	801	\$35.81	\$28,684	\$0	\$8,010	\$0	\$0	\$36,694
	GEN	U.C. per cy		CN-LABR	63.16	0	100	0	0	163.16
Concrete in Ductbank		1,950.00	3,900	\$31.58	\$123,162	\$0	\$195,000	\$0	\$0	\$318,162
	GEN	U.C. per cy		CN-LABR	94.74	0	100	0	0	194.74
Transformer Pads		10.00	30	\$31.58	\$947	\$0	\$1,000	\$0	\$0	\$1,947
	GEN	U.C. per ea		CN-LABR	252.64	0	200	0	0	452.64
Light Pole Bases		12.00	96	\$31.58	\$3,032	\$0	\$2,400	\$0	\$0	\$5,432
	GEN	U.C. per cy		CN-LABR	94.74	0	100	0	0	194.74
Empty Roll-Off Pad		300.00	900	\$31.58	\$28,422	\$0	\$30,000	\$0	\$0	\$58,422

Project Name:

Staging, Storage, Sizing, and Treatment Facility

Project Location: INTEC

Estimate Number: 2959-C

## CONSTRUCTION DETAIL ITEM REPORT

Client: R. L. Davison

Prepared By: J. C. Grenz

Estimate Type: Title I

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>9103.102 Out-of-Plant Concrete</b>										
	GEN	U.C. per cy	3	CN-LABR	94.74	0	100	0	0	194.74
Roll-Off Sample Pad		500.00	1,500	\$31.58	\$47,370	\$0	\$50,000	\$0	\$0	\$97,370
	GEN	U.C. per cy	3	CN-LABR	94.74	0	100	0	0	194.74
Roll-Off Staging		330.00	990	\$31.58	\$31,264	\$0	\$33,000	\$0	\$0	\$64,264
	GEN	U.C. per cy	3	CN-LABR	94.74	0	0	0	0	94.74
Contaminated Eq Storage		260.00	780	\$31.58	\$24,632	\$0	\$0	\$0	\$0	\$24,632
Subtotal					\$287,513	\$0	\$319,410	\$0	\$0	\$606,923
Sales Tax					\$0	\$0	\$15,971	\$0	\$0	\$15,971
INEEL ORG Labor/Subcontractor Overheads					\$83,465	\$0	\$97,361	\$0	\$0	\$180,826
Subtotal Estimate										\$803,720
Escalation					\$33,128	\$0	\$38,644	\$0	\$0	\$71,772
Contingency					\$44,452	\$0	\$51,852	\$0	\$0	\$96,304
<b>Total 9103.102 Out-of-Plant Concrete</b>			<b>8,997</b>		<b>\$448,559</b>	<b>\$0</b>	<b>\$523,238</b>	<b>\$0</b>	<b>\$0</b>	<b>\$971,796</b>
<b>9103.103 In-INTEC Concrete</b>										
	GEN	U.C. per sf	0.2	CN-CARP	7.162	0	1.5	0	0	8.662
Form Ductbank		3,460.00	692	\$35.81	\$24,781	\$0	\$5,190	\$0	\$0	\$29,971
	GEN	U.C. per cy	2.5	CN-LABR	78.95	0	100	0	0	178.95
Concrete for Ductbank		540.00	1,350	\$31.58	\$42,633	\$0	\$54,000	\$0	\$0	\$96,633
Subtotal					\$67,414	\$0	\$59,190	\$0	\$0	\$126,604
Sales Tax					\$0	\$0	\$2,960	\$0	\$0	\$2,960
INEEL ORG Labor/Subcontractor Overheads					\$19,570	\$0	\$18,042	\$0	\$0	\$37,612
Subtotal Estimate										\$167,175
Escalation					\$7,768	\$0	\$7,161	\$0	\$0	\$14,929
Contingency					\$17,055	\$0	\$15,723	\$0	\$0	\$32,779
<b>Total 9103.103 In-INTEC Concrete</b>			<b>2,042</b>		<b>\$111,807</b>	<b>\$0</b>	<b>\$103,076</b>	<b>\$0</b>	<b>\$0</b>	<b>\$214,883</b>
<b>9103.104 Truck Scale Concrete</b>										
	GEN	U.C. per sf	0.25	CN-CARP	8.953	0	1.5	0	0	10.453
Form Walls/Footings		4,200.00	1,050	\$35.81	\$37,601	\$0	\$6,300	\$0	\$0	\$43,901
	GEN	U.C. per lb	0.013	CN-IRON	0.566	0	0.35	0	0	0.916
Place Wall/Fig Rebar		10,500.00	137	\$43.50	\$5,938	\$0	\$3,675	\$0	\$0	\$9,613
	GEN	U.C. per cy	2.5	CN-LABR	78.95	0	85	0	0	163.95
Place Wall/Fig Conc		140.00	350	\$31.58	\$11,053	\$0	\$11,900	\$0	\$0	\$22,953
	GEN	U.C. per sf	0.2	CN-CARP	7.162	0	1.25	0	0	8.412
Form Slabs		258.00	52	\$35.81	\$1,848	\$0	\$323	\$0	\$0	\$2,170

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9103.104 Truck Scale Concrete</b>										
	GEN	U.C. per lb	0.01	CN-IRON	0.435	0	0.35	0	0	0.785
Place Slab Rebar		4,500.00	45	\$43.50	\$1,958	\$0	\$1,575	\$0	\$0	\$3,533
	GEN	U.C. per cy	2	CN-LABR	63.18	0	85	0	0	148.16
Place Slab Conc		60.00	120	\$31.58	\$3,790	\$0	\$5,100	\$0	\$0	\$8,890
Subtotal					\$62,186	\$0	\$28,873	\$0	\$0	\$91,059
Sales Tax					\$0	\$0	\$1,444	\$0	\$0	\$1,444
INEEL ORG Labor/Subcontractor Overheads					\$18,053	\$0	\$8,801	\$0	\$0	\$26,853
Subtotal Estimate										\$119,356
Escalation					\$7,165	\$0	\$3,493	\$0	\$0	\$10,658
Contingency					\$26,221	\$0	\$12,783	\$0	\$0	\$39,004
<b>---Total 9103.104 Truck Scale Concrete</b>			<b>1,753</b>		<b>\$113,625</b>	<b>\$0</b>	<b>\$55,393</b>	<b>\$0</b>	<b>\$0</b>	<b>\$169,018</b>
<b>--- 9103.201 Admin Bldg Concrete</b>										
	GEN	U.C. per sf	0.25	CN-CARP	8.953	0	1.5	0	0	10.453
Form Walls/Footings		1,500.00	375	\$35.81	\$13,429	\$0	\$2,250	\$0	\$0	\$15,679
	GEN	U.C. per lb	0.013	CN-IRON	0.566	0	0.35	0	0	0.916
Place Wall/Ftg Rebar		3,750.00	49	\$43.50	\$2,121	\$0	\$1,313	\$0	\$0	\$3,433
	GEN	U.C. per cy	2.5	CN-LABR	78.95	0	85	0	0	163.95
Place Wall/Ftg Conc		50.00	125	\$31.58	\$3,948	\$0	\$4,250	\$0	\$0	\$8,198
	GEN	U.C. per sf	0.2	CN-CARP	7.162	0	1.25	0	0	8.412
Form Slabs		430.00	86	\$35.81	\$3,080	\$0	\$538	\$0	\$0	\$3,617
	GEN	U.C. per lb	0.1	CN-IRON	4.35	0	0.35	0	0	4.7
Place Slab Rebar		7,500.00	750	\$43.50	\$32,625	\$0	\$2,625	\$0	\$0	\$35,250
	GEN	U.C. per cy	2	CN-LABR	63.16	0	85	0	0	148.16
Place Slab Conc		100.00	200	\$31.58	\$6,316	\$0	\$8,500	\$0	\$0	\$14,816
Subtotal					\$61,518	\$0	\$19,475	\$0	\$0	\$80,993
Sales Tax					\$0	\$0	\$974	\$0	\$0	\$974
INEEL ORG Labor/Subcontractor Overheads					\$17,859	\$0	\$5,936	\$0	\$0	\$23,795
Subtotal Estimate										\$105,761
Escalation					\$7,088	\$0	\$2,356	\$0	\$0	\$9,444
Contingency					\$13,834	\$0	\$4,599	\$0	\$0	\$18,433
<b>---Total 9103.201 Admin Bldg Concrete</b>			<b>1,585</b>		<b>\$100,299</b>	<b>\$0</b>	<b>\$33,340</b>	<b>\$0</b>	<b>\$0</b>	<b>\$133,638</b>
<b>--- 9103.401 Treatment Bldg Concrete</b>										
	GEN	U.C. per sf	0.25	CN-CARP	8.953	0	1.5	0	0	10.453
Form Walls/Footings		18,000.00	4,500	\$35.81	\$161,145	\$0	\$27,000	\$0	\$0	\$188,145

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
Project Location: **INTEC**  
Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
Prepared By: **J. C. Grenz**  
Estimate Type: **Title I**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
<b>--- 9103.401 Treatment Bldg Concrete</b>										
	GEN	U.C. per lb	0.013	CN-IRON	0.566	0	0.35	0	0	0.916
Place Wall/Ftg Rebar		38,700.00	503	\$43.50	\$21,885	\$0	\$13,545	\$0	\$0	\$35,430
	GEN	U.C. per cy	2.5	CN-LABR	78.95	0	85	0	0	163.95
Place Wall/Ftg Conc		515.00	1,288	\$31.58	\$40,659	\$0	\$43,775	\$0	\$0	\$84,434
	GEN	U.C. per sf	0.2	CN-CARP	7.162	0	1.25	0	0	8.412
Form Slabs		665.00	133	\$35.81	\$4,763	\$0	\$831	\$0	\$0	\$5,594
	GEN	U.C. per lb	0.1	CN-IRON	4.35	0	0.35	0	0	4.7
Place Slab Rebar		15,325.00	1,533	\$43.50	\$66,664	\$0	\$5,364	\$0	\$0	\$72,028
	GEN	U.C. per cy	2	CN-LABR	63.16	0	85	0	0	148.16
Place Slab Conc		210.00	420	\$31.58	\$13,264	\$0	\$17,850	\$0	\$0	\$31,114
	GEN	U.C. per sf	0.1	CN-IRON	4.35	0	2.5	0	0	6.85
Q-Deck		1,000.00	100	\$43.50	\$4,350	\$0	\$2,500	\$0	\$0	\$6,850
Subtotal					\$312,729	\$0	\$110,865	\$0	\$0	\$423,594
Sales Tax					\$0	\$0	\$5,543	\$0	\$0	\$5,543
INEEL ORG Labor/Subcontractor Overheads					\$90,785	\$0	\$33,793	\$0	\$0	\$124,579
Subtotal Estimate										\$553,716
Escalation					\$36,034	\$0	\$13,413	\$0	\$0	\$49,447
Contingency					\$175,819	\$0	\$65,446	\$0	\$0	\$241,265
<b>---Total 9103.401 Treatment Bldg Concrete</b>			<b>8,476</b>		<b>\$615,368</b>	<b>\$0</b>	<b>\$229,060</b>	<b>\$0</b>	<b>\$0</b>	<b>\$844,428</b>
<b>--- 9103.501 Decon Bldg Concrete</b>										
	GEN	U.C. per sf	0.25	CN-CARP	8.953	0	1.5	0	0	10.453
Form Walls/Footings		1,650.00	413	\$35.81	\$14,772	\$0	\$2,475	\$0	\$0	\$17,247
	GEN	U.C. per lb	0.013	CN-IRON	0.566	0	0.35	0	0	0.916
Place Wall/Ftg Rebar		4,125.00	54	\$43.50	\$2,333	\$0	\$1,444	\$0	\$0	\$3,776
	GEN	U.C. per cy	2.5	CN-LABR	78.95	0	85	0	0	163.95
Place Wall/Ftg Conc		55.00	138	\$31.58	\$4,342	\$0	\$4,675	\$0	\$0	\$9,017
	GEN	U.C. per sf	0.2	CN-CARP	7.162	0	1.25	0	0	8.412
Form Slabs		452.00	90	\$35.81	\$3,237	\$0	\$565	\$0	\$0	\$3,802
	GEN	U.C. per lb	0.01	CN-IRON	0.435	0	0.35	0	0	0.785
Place Slab Rebar		7,875.00	79	\$43.50	\$3,426	\$0	\$2,756	\$0	\$0	\$6,182
	GEN	U.C. per cy	2	CN-LABR	63.16	0	85	0	0	148.16
Place Slab Conc		105.00	210	\$31.58	\$6,632	\$0	\$8,925	\$0	\$0	\$15,557
	GEN	U.C. per sf	0.2	CN-CARP	7.162	0	1.25	0	0	8.412
Form Filter Slab		43.00	9	\$35.81	\$308	\$0	\$54	\$0	\$0	\$362

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9103.501 Decon Bldg Concrete</b>										
	GEN	U.C. per lb	0.01	CN-IRON	0.435	0	0.35	0	0	0.785
Place Filter Slab Rebar		750.00	8	\$43.50	\$326	\$0	\$263	\$0	\$0	\$589
	GEN	U.C. per cy	2	CN-LABR	63.16	0	85	0	0	148.16
Place Filter Slab Conc		10.00	20	\$31.58	\$632	\$0	\$850	\$0	\$0	\$1,482
Subtotal					\$36,007	\$0	\$22,006	\$0	\$0	\$58,013
Sales Tax					\$0	\$0	\$1,100	\$0	\$0	\$1,100
INEEL ORG Labor/Subcontractor Overheads					\$10,453	\$0	\$6,708	\$0	\$0	\$17,161
Subtotal Estimate										\$76,274
Escalation					\$4,149	\$0	\$2,662	\$0	\$0	\$6,811
Contingency					\$9,616	\$0	\$6,171	\$0	\$0	\$15,786
<b>---Total 9103.501 Decon Bldg Concrete</b>			<b>1,019</b>		<b>\$60,224</b>	<b>\$0</b>	<b>\$38,647</b>	<b>\$0</b>	<b>\$0</b>	<b>\$98,872</b>
<b>--- 9104.501 Decon Bldg</b>										
	GEN	U.C. per sf			0	0	0	3	0	3
Interior Block Wall		940.00	0		\$0	\$0	\$0	\$2,820	\$0	\$2,820
Subtotal					\$0	\$0	\$0	\$2,820	\$0	\$2,820
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$819	\$0	\$819
Subtotal Estimate										\$3,639
Escalation					\$0	\$0	\$0	\$325	\$0	\$325
Contingency					\$0	\$0	\$0	\$951	\$0	\$951
<b>---Total 9104.501 Decon Bldg</b>			<b>0</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,915</b>	<b>\$0</b>	<b>\$4,915</b>
<b>--- 9105.401 Treatment Building Structural</b>										
	STEEL	U.C. per tn	15	CN-IRON	652.5	250	1600	0	0	2502.5
Structural Steel		45.00	675	\$43.50	\$29,363	\$11,250	\$72,000	\$0	\$0	\$112,613
	STEEL	U.C. per tn	30	CN-IRON	1305	200	3000	0	0	4505
Misc Metal		10.00	300	\$43.50	\$13,050	\$2,000	\$30,000	\$0	\$0	\$45,050
Subtotal					\$42,413	\$13,250	\$102,000	\$0	\$0	\$157,663
Sales Tax					\$0	\$0	\$5,100	\$0	\$0	\$5,100
INEEL ORG Labor/Subcontractor Overheads					\$17,785	\$5,556	\$44,910	\$0	\$0	\$68,251
Subtotal Estimate										\$231,014
Escalation					\$5,378	\$1,679	\$13,575	\$0	\$0	\$20,630
Contingency					\$22,951	\$7,170	\$57,955	\$0	\$0	\$88,075
<b>---Total 9105.401 Treatment Building Structural</b>			<b>975</b>		<b>\$88,523</b>	<b>\$27,655</b>	<b>\$223,539</b>	<b>\$0</b>	<b>\$0</b>	<b>\$339,718</b>



Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

## CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9105.501 Decon Bldg Misc Steel</b>										
	STEEL	U.C. per tn	30	CN-IRON	1305	200	3000	0	0	4505
Misc Metal		2.00	60	\$43.50	\$2,610	\$400	\$6,000	\$0	\$0	\$9,010
Subtotal					\$2,610	\$400	\$6,000	\$0	\$0	\$9,010
Sales Tax					\$0	\$0	\$300	\$0	\$0	\$300
INEEL ORG Labor/Subcontractor Overheads					\$1,094	\$168	\$2,642	\$0	\$0	\$3,904
Subtotal Estimate										\$13,214
Escalation					\$331	\$51	\$799	\$0	\$0	\$1,180
Contingency					\$1,412	\$216	\$3,409	\$0	\$0	\$5,038
<b>---Total 9105.501 Decon Bldg Misc Steel</b>			<b>60</b>		<b>\$5,448</b>	<b>\$835</b>	<b>\$13,149</b>	<b>\$0</b>	<b>\$0</b>	<b>\$19,432</b>
<b>--- 9107.201 Admin Bldg Insulation</b>										
	STEEL	U.C. per sf	0.01	CN-IRON	0.435	0	0.3	0	0	0.735
Exterior Wall		3,120.00	31	\$43.50	\$1,357	\$0	\$936	\$0	\$0	\$2,293
	STEEL	U.C. per sf	0.01	CN-IRON	0.435	0	0.6	0	0	1.035
Ceiling		4,000.00	40	\$43.50	\$1,740	\$0	\$2,400	\$0	\$0	\$4,140
Subtotal					\$3,097	\$0	\$3,336	\$0	\$0	\$6,433
Sales Tax					\$0	\$0	\$167	\$0	\$0	\$167
INEEL ORG Labor/Subcontractor Overheads					\$1,299	\$0	\$1,469	\$0	\$0	\$2,768
Subtotal Estimate										\$9,368
Escalation					\$393	\$0	\$444	\$0	\$0	\$837
Contingency					\$479	\$0	\$542	\$0	\$0	\$1,020
<b>---Total 9107.201 Admin Bldg Insulation</b>			<b>71</b>		<b>\$5,267</b>	<b>\$0</b>	<b>\$5,957</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,225</b>
<b>--- 9107.401 Treatment Bldg. Siding &amp; Roofing</b>										
	STEEL	U.C. per sf	0.15	CN-IRON	6.525	0	5.35	0	0	11.875
Sandwich Panel Siding		6,400.00	960	\$43.50	\$41,760	\$0	\$34,240	\$0	\$0	\$76,000
	STEEL	U.C. per sf	0.08	CN-IRON	3.48	0	1.4	0	0	4.88
Metal Roofing		4,400.00	352	\$43.50	\$15,312	\$0	\$6,160	\$0	\$0	\$21,472
	STEEL	U.C. per sf	0.02	CN-IRON	0.87	0	0.3	0	0	1.17
Roof Insulation		4,400.00	88	\$43.50	\$3,828	\$0	\$1,320	\$0	\$0	\$5,148
Subtotal					\$60,900	\$0	\$41,720	\$0	\$0	\$102,620
Sales Tax					\$0	\$0	\$2,086	\$0	\$0	\$2,086
INEEL ORG Labor/Subcontractor Overheads					\$25,537	\$0	\$18,369	\$0	\$0	\$43,906
Subtotal Estimate										\$148,612
Escalation					\$7,719	\$0	\$5,552	\$0	\$0	\$13,271
Contingency					\$9,416	\$0	\$6,773	\$0	\$0	\$16,188
<b>---Total 9107.401 Treatment Bldg. Siding &amp; Roofing</b>			<b>1,400</b>		<b>\$103,572</b>	<b>\$0</b>	<b>\$74,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$178,072</b>

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9108.201 Admin Bldg Doors</b>										
	GEN	U.C. per ea	16	CN-CARP	572.96	0	1300	0	0	1872.96
6070 Ext		1.00	16	\$35.81	\$573	\$0	\$1,300	\$0	\$0	\$1,873
	GEN	U.C. per ea	10	CN-CARP	358.1	0	875	0	0	1233.1
3070 Ext		7.00	70	\$35.81	\$2,507	\$0	\$6,125	\$0	\$0	\$8,632
	GEN	U.C. per ea	6	CN-CARP	214.86	0	250	0	0	464.86
3070 Int		12.00	72	\$35.81	\$2,578	\$0	\$3,000	\$0	\$0	\$5,578
	GEN	U.C. per ea			0	0	0	280	0	280
3x5 Window		20.00	0		\$0	\$0	\$0	\$5,600	\$0	\$5,600
Subtotal					\$5,658	\$0	\$10,425	\$5,600	\$0	\$21,683
Sales Tax					\$0	\$0	\$521	\$0	\$0	\$521
INEEL ORG Labor/Subcontractor Overheads					\$1,643	\$0	\$3,178	\$1,628	\$0	\$6,446
Subtotal Estimate										\$28,650
Escalation					\$652	\$0	\$1,261	\$645	\$0	\$2,558
Contingency					\$636	\$0	\$1,231	\$630	\$0	\$2,497
<b>---Total 9108.201 Admin Bldg Doors</b>			<b>158</b>		<b>\$8,589</b>	<b>\$0</b>	<b>\$16,616</b>	<b>\$8,501</b>	<b>\$0</b>	<b>\$33,705</b>
<b>--- 9108.401 Treatment Bldg Doors</b>										
	STEEL	U.C. per ea	40	CN-IRON	1740	200	6800	0	0	8740
16x16 Roll-up		5.00	200	\$43.50	\$8,700	\$1,000	\$34,000	\$0	\$0	\$43,700
	GEN	U.C. per ea	16	CN-CARP	572.96	0	1300	0	0	1872.96
6070 Ext		1.00	16	\$35.81	\$573	\$0	\$1,300	\$0	\$0	\$1,873
	STEEL	U.C. per ea	10	CN-CARP	358.1	0	875	0	0	1233.1
3070 Ext		7.00	70	\$35.81	\$2,507	\$0	\$6,125	\$0	\$0	\$8,632
	GEN	U.C. per ea	6	CN-CARP	214.86	0	250	0	0	464.86
3070 Int		7.00	42	\$35.81	\$1,504	\$0	\$1,750	\$0	\$0	\$3,254
Subtotal					\$13,284	\$1,000	\$43,175	\$0	\$0	\$57,459
Sales Tax					\$0	\$0	\$2,159	\$0	\$0	\$2,159
INEEL ORG Labor/Subcontractor Overheads					\$5,302	\$419	\$18,597	\$0	\$0	\$24,318
Subtotal Estimate										\$83,936
Escalation					\$1,660	\$127	\$5,709	\$0	\$0	\$7,495
Contingency					\$1,620	\$124	\$5,571	\$0	\$0	\$7,314
<b>---Total 9108.401 Treatment Bldg Doors</b>			<b>328</b>		<b>\$21,865</b>	<b>\$1,670</b>	<b>\$75,210</b>	<b>\$0</b>	<b>\$0</b>	<b>\$98,746</b>
<b>--- 9108.501 Decon Bldg Doors</b>										
	GEN	U.C. per ea	10	CN-CARP	358.1	0	875	0	0	1233.1
3070 Ext		5.00	50	\$35.81	\$1,791	\$0	\$4,375	\$0	\$0	\$6,166

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

## CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9108.501 Decon Bldg Doors</b>										
	STEEL	U.C. per ea	35	CN-IRON	1522.5	200	5200	0	0	6922.5
14x14 Roll-up		2.00	70	\$43.50	\$3,045	\$400	\$10,400	\$0	\$0	\$13,845
Subtotal					\$4,836	\$400	\$14,775	\$0	\$0	\$20,011
Sales Tax					\$0	\$0	\$739	\$0	\$0	\$739
INEEL ORG Labor/Subcontractor Overheads					\$1,797	\$168	\$5,913	\$0	\$0	\$7,877
Subtotal Estimate										\$28,626
Escalation					\$592	\$51	\$1,913	\$0	\$0	\$2,556
Contingency					\$578	\$49	\$1,867	\$0	\$0	\$2,495
<b>--- Total 9108.501 Decon Bldg Doors</b>			120		\$7,802	\$668	\$25,207	\$0	\$0	\$33,677
<b>--- 9109.201 Admin Bldg</b>										
	GEN	U.C. per sf	0.02	CN-CARP	0.716	0	0.3	0	0	1.016
Wall Sheet Rock		3,120.00	62	\$35.81	\$2,235	\$0	\$936	\$0	\$0	\$3,171
	GEN	U.C. per sf	0.022	CN-CARP	0.788	0	0.85	0	0	1.638
Int Stud Walls		1,920.00	42	\$35.81	\$1,513	\$0	\$1,632	\$0	\$0	\$3,145
	GEN	U.C. per sf	0.4	CN-CARP	14.324	0	0.6	0	0	14.924
Wall Sheet Rock		1,440.00	576	\$35.81	\$20,627	\$0	\$864	\$0	\$0	\$21,491
	GEN	U.C. per sf			0	0	0	6.5	0	6.5
Acoustical Wall		2,400.00	0		\$0	\$0	\$0	\$15,600	\$0	\$15,600
	GEN	U.C. per sf			0	0	0	4.5	0	4.5
Acoustical Ceiling		2,900.00	0		\$0	\$0	\$0	\$13,050	\$0	\$13,050
	GEN	U.C. per sf			0	0	0	2.5	0	2.5
Suspended Ceiling		1,100.00	0		\$0	\$0	\$0	\$2,750	\$0	\$2,750
	GEN	U.C. per sf			0	0	0	0.75	0	0.75
Paint		15,000.00	0		\$0	\$0	\$0	\$11,250	\$0	\$11,250
	GEN	U.C. per sy			0	0	0	25	0	25
Carpet		405.00	0		\$0	\$0	\$0	\$10,125	\$0	\$10,125
	GEN	U.C. per sf			0	0	0	2	0	2
Floor Tile		365.00	0		\$0	\$0	\$0	\$730	\$0	\$730
	GEN	U.C. per sf			0	0	0	5	0	5
Wall Tile		400.00	0		\$0	\$0	\$0	\$2,000	\$0	\$2,000
		U.C. per lf			0	0	0	1.6	0	1.6
Coving		1,800.00	0		\$0	\$0	\$0	\$2,880	\$0	\$2,880

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

## CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<hr/>										
-- 9109.201 Admin Bldg										
	GEN	U.C. per sf			0	0	0	4	0	4
Window Acc		300.00	0		\$0	\$0	\$0	\$1,200	\$0	\$1,200
<hr/>										
Subtotal					\$24,374	\$0	\$3,432	\$59,585	\$0	\$87,391
Sales Tax					\$0	\$0	\$172	\$0	\$0	\$172
INEEL ORG Labor/Subcontractor Overheads					\$7,076	\$0	\$1,046	\$16,461	\$0	\$24,583
<hr/>										
Subtotal Estimate										\$112,146
Escalation					\$2,808	\$0	\$415	\$6,791	\$0	\$10,015
Contingency					\$4,796	\$0	\$709	\$11,567	\$0	\$17,102
<hr/>										
--Total 9109.201 Admin Bldg			681		\$39,054	\$0	\$5,774	\$94,435	\$0	\$139,263
<hr/>										
-- 9109.401 Treatment Bldg. Painting										
	PAINT	U.C. per tn	5	CN-PAIN	157.95	10	50	0	0	217.95
Paint Structural & Misc		55.00	275	\$31.59	\$8,687	\$550	\$2,750	\$0	\$0	\$11,987
<hr/>										
		U.C. per sf			4	0	4	0	0	8
Epoxy Floor Finish		4,540.00	0		\$18,160	\$0	\$18,160	\$0	\$0	\$36,320
<hr/>										
		U.C. per sf			2	0	2	0	0	4
Other Floor Finish		950.00	0		\$1,900	\$0	\$1,900	\$0	\$0	\$3,800
<hr/>										
Subtotal					\$28,747	\$550	\$22,810	\$0	\$0	\$52,107
Sales Tax					\$0	\$0	\$1,141	\$0	\$0	\$1,141
INEEL ORG Labor/Subcontractor Overheads					\$3,643	\$231	\$1,211	\$0	\$0	\$5,084
<hr/>										
Subtotal Estimate										\$58,332
Escalation					\$2,892	\$70	\$2,247	\$0	\$0	\$5,209
Contingency					\$10,585	\$255	\$8,222	\$0	\$0	\$19,062
<hr/>										
--Total 9109.401 Treatment Bldg. Painting			275		\$45,867	\$1,105	\$35,631	\$0	\$0	\$82,603
<hr/>										
-- 9109.501 Decon Bldg										
	PAINT	U.C. per sf	0.1	CN-PSST	3.528	0	1	0	0	4.528
Epoxy Finish on Interior Wall		2,500.00	250	\$35.28	\$8,820	\$0	\$2,500	\$0	\$0	\$11,320
<hr/>										
Subtotal					\$8,820	\$0	\$2,500	\$0	\$0	\$11,320
Sales Tax					\$0	\$0	\$125	\$0	\$0	\$125
INEEL ORG Labor/Subcontractor Overheads					\$3,698	\$0	\$1,101	\$0	\$0	\$4,799
<hr/>										
Subtotal Estimate										\$16,244
Escalation					\$1,118	\$0	\$333	\$0	\$0	\$1,451
Contingency					\$10,227	\$0	\$3,044	\$0	\$0	\$13,271
<hr/>										
--Total 9109.501 Decon Bldg			250		\$23,864	\$0	\$7,102	\$0	\$0	\$30,966

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
<b>--- 9111.104 Truck Scale</b>										
	SPEC	U.C. per ea	80	CN-MILL	2724	5000	37700	0	0	45424
Truck Scale		2.00	160	\$34.05	\$5,448	\$10,000	\$75,400	\$0	\$0	\$90,848
Subtotal					\$5,448	\$10,000	\$75,400	\$0	\$0	\$90,848
Sales Tax					\$0	\$0	\$3,770	\$0	\$0	\$3,770
INEEL ORG Labor/Subcontractor Overheads					\$2,486	\$4,564	\$36,130	\$0	\$0	\$43,179
Subtotal Estimate										\$137,797
Escalation					\$709	\$1,301	\$10,296	\$0	\$0	\$12,305
Contingency					\$2,334	\$4,283	\$33,911	\$0	\$0	\$40,528
<b>---Total 9111.104 Truck Scale</b>			<b>160</b>		<b>\$10,976</b>	<b>\$20,147</b>	<b>\$159,507</b>	<b>\$0</b>	<b>\$0</b>	<b>\$190,631</b>
<b>--- 9111.401 Treatment Bldg Eq</b>										
	GEN	U.C. per ea	200	CN-MILL	6810	0	80000	0	0	86810
Back Hoe		1.00	200	\$34.05	\$6,810	\$0	\$80,000	\$0	\$0	\$86,810
	GEN	U.C. per ea	40	CN-MILL	1362	0	47600	0	0	48962
900 Bbl Silo		3.00	120	\$34.05	\$4,086	\$0	\$142,800	\$0	\$0	\$146,886
	GEN	U.C. per ea	20	CN-MILL	681	0	1500	0	0	2181
Admix Tanks		3.00	60	\$34.05	\$2,043	\$0	\$4,500	\$0	\$0	\$6,543
	GEN	U.C. per ea	20	CN-MILL	681	0	1500	0	0	2181
Day Tanks		3.00	60	\$34.05	\$2,043	\$0	\$4,500	\$0	\$0	\$6,543
Subtotal					\$14,982	\$0	\$231,800	\$0	\$0	\$246,782
Sales Tax					\$0	\$0	\$11,590	\$0	\$0	\$11,590
INEEL ORG Labor/Subcontractor Overheads					\$4,349	\$0	\$70,656	\$0	\$0	\$75,005
Subtotal Estimate										\$333,377
Escalation					\$1,726	\$0	\$28,044	\$0	\$0	\$29,771
Contingency					\$3,369	\$0	\$54,734	\$0	\$0	\$58,104
<b>---Total 9111.401 Treatment Bldg Eq</b>			<b>440</b>		<b>\$24,427</b>	<b>\$0</b>	<b>\$396,825</b>	<b>\$0</b>	<b>\$0</b>	<b>\$421,252</b>
<b>--- 9113.101 Container Tracking System</b>										
		U.C. per lot			0	0	0	0	5000	5000
Computer Sustum		1.00	0		\$0	\$0	\$0	\$0	\$5,000	\$5,000
		U.C. per ea			0	0	0	0	5000	5000
Bar Code Readers		4.00	0		\$0	\$0	\$0	\$0	\$20,000	\$20,000

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9113.101 Container Tracking System</b>										
		U.C. per ea			0	0	0	0	10000	10000
Tracking Software		1.00	0		\$0	\$0	\$0	\$0	\$10,000	\$10,000
Subtotal					\$0	\$0	\$0	\$0	\$35,000	\$35,000
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$35,000
Escalation					\$0	\$0	\$0	\$0	\$3,126	\$3,126
Contingency					\$0	\$0	\$0	\$0	\$31,263	\$31,263
<b>---Total 9113.101 Container Tracking System</b>			<b>0</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$69,388</b>	<b>\$69,388</b>
<b>--- 9113.201 Admin Building</b>										
	STEEL	U.C. per sf			0	0	0	20	0	20
Pre-engineered Bldg		4,000.00	0		\$0	\$0	\$0	\$80,000	\$0	\$80,000
Subtotal					\$0	\$0	\$0	\$80,000	\$0	\$80,000
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$33,546	\$0	\$33,546
Subtotal Estimate										\$113,546
Escalation					\$0	\$0	\$0	\$10,140	\$0	\$10,140
Contingency					\$0	\$0	\$0	\$16,079	\$0	\$16,079
<b>---Total 9113.201 Admin Building</b>			<b>0</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$139,765</b>	<b>\$0</b>	<b>\$139,765</b>
<b>--- 9113.501 Decon Building</b>										
	STEEL	U.C. per sf			0	0	0	20	0	20
Pre-engineered Bldg		4,150.00	0		\$0	\$0	\$0	\$83,000	\$0	\$83,000
	STEEL	U.C. per ea			0	0	0	800	0	800
Canopies		3.00	0		\$0	\$0	\$0	\$2,400	\$0	\$2,400
Subtotal					\$0	\$0	\$0	\$85,400	\$0	\$85,400
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$35,811	\$0	\$35,811
Subtotal Estimate										\$121,211
Escalation					\$0	\$0	\$0	\$10,824	\$0	\$10,824
Contingency					\$0	\$0	\$0	\$6,602	\$0	\$6,602
<b>---Total 9113.501 Decon Building</b>			<b>0</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$138,637</b>	<b>\$0</b>	<b>\$138,637</b>
<b>--- 9114.401 Treatment Bldg Conveyors</b>										
	GEN	U.C. per ea	160	CN-MILL	5448	1000	37500	0	0	43948
Air Slide Conveyor		3.00	480	\$34.05	\$16,344	\$3,000	\$112,500	\$0	\$0	\$131,844

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

## CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9114.401 Treatment Bldg Conveyors</b>										
Subtotal					\$16,344	\$3,000	\$112,500	\$0	\$0	\$131,844
Sales Tax					\$0	\$0	\$5,625	\$0	\$0	\$5,625
INEEL ORG Labor/Subcontractor Overheads					\$4,745	\$871	\$34,292	\$0	\$0	\$39,907
<b>Subtotal Estimate</b>										
Escalation					\$1,883	\$346	\$13,611	\$0	\$0	\$15,840
Contingency					\$2,297	\$422	\$16,603	\$0	\$0	\$19,322
<b>---Total 9114.401 Treatment Bldg Conveyors</b>			<b>480</b>		<b>\$25,269</b>	<b>\$4,638</b>	<b>\$182,630</b>	<b>\$0</b>	<b>\$0</b>	<b>\$212,538</b>
<b>--- 9115.201 Admin Bldg</b>										
	MECH	U.C. per lf	0.75	CN-PIPE	29.498	0	4	0	0	33.498
Piping		400.00	300	\$39.33	\$11,799	\$0	\$1,600	\$0	\$0	\$13,399
	MECH	U.C. per ea	12	CN-PIPE	471.96	0	700	0	0	1171.96
Water Closet		3.00	36	\$39.33	\$1,416	\$0	\$2,100	\$0	\$0	\$3,516
	MECH	U.C. per ea	5	CN-PIPE	196.65	0	450	0	0	646.65
Lav		4.00	20	\$39.33	\$787	\$0	\$1,800	\$0	\$0	\$2,587
	MECH	U.C. per ea	8	CN-PIPE	314.64	0	450	0	0	764.64
Urinal		4.00	32	\$39.33	\$1,259	\$0	\$1,800	\$0	\$0	\$3,059
	MECH	U.C. per ea	10	CN-PIPE	393.3	0	600	0	0	993.3
Double Sink		1.00	10	\$39.33	\$393	\$0	\$600	\$0	\$0	\$993
	MECH	U.C. per ea	10	CN-PIPE	393.3	0	750	0	0	1143.3
Service Sink		1.00	10	\$39.33	\$393	\$0	\$750	\$0	\$0	\$1,143
	MECH	U.C. per ea	5	CN-PIPE	196.65	0	700	0	0	896.65
Fountain		1.00	5	\$39.33	\$197	\$0	\$700	\$0	\$0	\$897
	MECH	U.C. per ea	5	CN-PIPE	196.65	0	250	0	0	446.65
Floor Drains		7.00	35	\$39.33	\$1,377	\$0	\$1,750	\$0	\$0	\$3,127
	MECH	U.C. per ea	5	CN-PIPE	196.65	0	2000	0	0	2196.65
Water Heater		1.00	5	\$39.33	\$197	\$0	\$2,000	\$0	\$0	\$2,197
	MECH	U.C. per ls	30	CN-PIPE	1179.9	0	1000	0	0	2179.9
Clean-Outs		1.00	30	\$39.33	\$1,180	\$0	\$1,000	\$0	\$0	\$2,180
	GEN	U.C. per ea	4	CN-CARP	143.24	0	700	0	0	843.24
Toilet Part		3.00	12	\$35.81	\$430	\$0	\$2,100	\$0	\$0	\$2,530
	GEN	U.C. per ea	8	CN-CARP	286.48	0	1000	0	0	1286.48
Shower Part		4.00	32	\$35.81	\$1,146	\$0	\$4,000	\$0	\$0	\$5,146
	GEN	U.C. per lf	2	CN-CARP	71.62	0	50	0	0	121.62
Benches		20.00	40	\$35.81	\$1,432	\$0	\$1,000	\$0	\$0	\$2,432

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<hr/>										
--- 9115.201 Admin Bldg	GEN	U.C. per lf	4	CN-CARP	143.24	0	0	200	0	343.24
Cabnets		16.00	64	\$35.81	\$2,292	\$0	\$0	\$3,200	\$0	\$5,492
<hr/>										
Fire Protection	FP	U.C. per sf			0	0	0	3	0	3
		5,600.00	0		\$0	\$0	\$0	\$16,800	\$0	\$16,800
<hr/>										
HVAC	MECH	U.C. per sf			0	0	0	14	0	14
		5,600.00	0		\$0	\$0	\$0	\$78,400	\$0	\$78,400
<hr/>										
Subtotal					\$24,296	\$0	\$21,200	\$98,400	\$0	\$143,896
Sales Tax					\$0	\$0	\$1,060	\$0	\$0	\$1,060
INEEL ORG Labor/Subcontractor Overheads					\$10,677	\$0	\$9,286	\$45,687	\$0	\$65,650
<hr/>										
Subtotal Estimate										\$210,606
Escalation					\$3,123	\$0	\$2,817	\$12,867	\$0	\$18,807
Contingency					\$3,048	\$0	\$2,749	\$12,556	\$0	\$18,353
<hr/>										
---Total 9115.201 Admin Bldg			631		\$41,144	\$0	\$37,112	\$169,511	\$0	\$247,766
<hr/>										
--- 9115.401 Treatment Bldg Mech	FP	U.C. per sf			0	0	0	5	0	5
Dry Pipe Fire Protection		4,400.00	0		\$0	\$0	\$0	\$22,000	\$0	\$22,000
<hr/>										
Misc Utility Pipe	MECH	U.C. per lf	1.2	CN-PIPE	47.196	0	5.4	0	0	52.596
		1,000.00	1,200	\$39.33	\$47,196	\$0	\$5,400	\$0	\$0	\$52,596
<hr/>										
Subtotal					\$47,196	\$0	\$5,400	\$22,000	\$0	\$74,596
Sales Tax					\$0	\$0	\$270	\$0	\$0	\$270
INEEL ORG Labor/Subcontractor Overheads					\$22,703	\$0	\$2,727	\$9,225	\$0	\$34,656
<hr/>										
Subtotal Estimate										\$109,522
Escalation					\$6,242	\$0	\$750	\$2,788	\$0	\$9,780
Contingency					\$25,888	\$0	\$3,110	\$11,565	\$0	\$40,563
<hr/>										
---Total 9115.401 Treatment Bldg Mech			1,200		\$102,029	\$0	\$12,258	\$45,578	\$0	\$159,865
<hr/>										
--- 9115.402 Treatment Bldg HVAC	MECH	U.C. per Banks			0	0	0	5000	0	5000
HEPA Filter System		16.00	0		\$0	\$0	\$0	\$80,000	\$0	\$80,000
<hr/>										
Subtotal					\$0	\$0	\$0	\$80,000	\$0	\$80,000
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$38,483	\$0	\$38,483
<hr/>										
Subtotal Estimate										\$118,483
Escalation					\$0	\$0	\$0	\$10,581	\$0	\$10,581
Contingency					\$0	\$0	\$0	\$64,532	\$0	\$64,532
<hr/>										
---Total 9115.402 Treatment Bldg HVAC			0		\$0	\$0	\$0	\$193,596	\$0	\$193,596



Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9115.501 Decon Bldg</b>										
Raw Water Pipe	MECH	U.C. per lf	1	CN-PIPE	39.33	0	5	0	0	44.33
		200.00	200	\$39.33	\$7,866	\$0	\$1,000	\$0	\$0	\$8,866
Hose Reel	MECH	U.C. per ea	4	CN-PIPE	157.32	0	250	0	0	407.32
		2.00	8	\$39.33	\$315	\$0	\$500	\$0	\$0	\$815
Discharge Pipe	MECH	U.C. per lf	1	CN-PIPE	39.33	0	4	0	0	43.33
		100.00	100	\$39.33	\$3,933	\$0	\$400	\$0	\$0	\$4,333
Oil Separator	MECH	U.C. per ea	4	CN-PIPE	157.32	0	800	0	0	957.32
		1.00	4	\$39.33	\$157	\$0	\$800	\$0	\$0	\$957
Filter	MECH	U.C. per ea	8	CN-PIPE	314.64	0	1000	0	0	1314.64
		1.00	8	\$39.33	\$315	\$0	\$1,000	\$0	\$0	\$1,315
Pump	MECH	U.C. per ea	8	CN-PIPE	314.64	0	2000	0	0	2314.64
		1.00	8	\$39.33	\$315	\$0	\$2,000	\$0	\$0	\$2,315
HEPA System	MECH	U.C. per banks			0	0	0	5000	0	5000
		12.00	0		\$0	\$0	\$0	\$60,000	\$0	\$60,000
Fire Protection	FP	U.C. per sf			0	0	0	3.5	0	3.5
		3,080.00	0		\$0	\$0	\$0	\$10,780	\$0	\$10,780
Subtotal					\$12,900	\$0	\$5,700	\$70,780	\$0	\$89,380
Sales Tax					\$0	\$0	\$285	\$0	\$0	\$285
INEEL ORG Labor/Subcontractor Overheads					\$6,206	\$0	\$2,879	\$33,383	\$0	\$42,467
Subtotal Estimate										\$132,133
Escalation					\$1,706	\$0	\$792	\$9,302	\$0	\$11,799
Contingency					\$3,122	\$0	\$1,448	\$17,020	\$0	\$21,590
<b>--- Total 9115.501 Decon Bldg</b>			<b>328</b>		<b>\$23,934</b>	<b>\$0</b>	<b>\$11,104</b>	<b>\$130,484</b>	<b>\$0</b>	<b>\$165,522</b>
<b>--- 9116.101 General Site Electrical</b>										
Duct Bank Conduit	ELEC	U.C. per lf	0.2	CN-ELEC	7.178	0	2.5	0	0	9.678
		15,000.00	3,000	\$35.89	\$107,670	\$0	\$37,500	\$0	\$0	\$145,170
Duct Bank HV Wire/1000'	ELEC	U.C. per lf	0.03	CN-ELEC	1.077	0	1.4	0	0	2.477
		8,000.00	240	\$35.89	\$8,614	\$0	\$11,200	\$0	\$0	\$19,814
Duct Bank Power Wire	ELEC	U.C. per lf	0.015	CN-ELEC	0.538	0	0.7	0	0	1.238
		7,000.00	105	\$35.89	\$3,768	\$0	\$4,900	\$0	\$0	\$8,668
Duct Bank Com Wire	ELEC	U.C. per lf	0.015	CN-ELEC	0.538	0	0.75	0	0	1.288
		2,000.00	30	\$35.89	\$1,077	\$0	\$1,500	\$0	\$0	\$2,577
Light Poles	ELEC	U.C. per ea	8	CN-ELEC	287.12	0	1500	0	0	1787.12
		12.00	96	\$35.89	\$3,445	\$0	\$18,000	\$0	\$0	\$21,445

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9116.101 General Site Electrical</b>										
	ELEC	U.C. per ea	3	CN-ELEC	107.67	0	600	0	0	707.67
Lights		20.00	60	\$35.89	\$2,153	\$0	\$12,000	\$0	\$0	\$14,153
	ELEC	U.C. per lf	0.04	CN-ELEC	1,436	0.5	1.3	0	0	3,236
Direct Bury Light Cable		3,000.00	120	\$35.89	\$4,307	\$1,500	\$3,900	\$0	\$0	\$9,707
	ELEC	U.C. per ls	80	CN-ELEC	2871.2	0	1000	0	0	3871.2
Grounding		1.00	80	\$35.89	\$2,871	\$0	\$1,000	\$0	\$0	\$3,871
Subtotal					\$133,906	\$1,500	\$90,000	\$0	\$0	\$225,406
Sales Tax					\$0	\$0	\$4,500	\$0	\$0	\$4,500
INEEL ORG Labor/Subcontractor Overheads					\$56,151	\$629	\$39,627	\$0	\$0	\$96,406
Subtotal Estimate										\$326,312
Escalation					\$16,972	\$190	\$11,978	\$0	\$0	\$29,140
Contingency					\$41,406	\$464	\$29,221	\$0	\$0	\$71,090
<b>---Total 9116.101 General Site Electrical</b>			<b>3,731</b>		<b>\$248,434</b>	<b>\$2,783</b>	<b>\$175,325</b>	<b>\$0</b>	<b>\$0</b>	<b>\$426,542</b>
<b>--- 9116.102 Main Transformers and Switchgear</b>										
	ELEC	U.C. per ea	4	CN-ELEC	143.56	25	6900	0	0	7068.56
15kv Fused Switch		2.00	8	\$35.89	\$287	\$50	\$13,800	\$0	\$0	\$14,137
	ELEC	U.C. per ea	40	CN-ELEC	1435.6	200	35200	0	0	36835.6
750kva 480/277 Transformer		2.00	80	\$35.89	\$2,871	\$400	\$70,400	\$0	\$0	\$73,671
	ELEC	U.C. per ea	100	CN-ELEC	3589	500	73000	0	0	77089
Switchgear		1.00	100	\$35.89	\$3,589	\$500	\$73,000	\$0	\$0	\$77,089
Subtotal					\$6,747	\$950	\$157,200	\$0	\$0	\$164,897
Sales Tax					\$0	\$0	\$7,860	\$0	\$0	\$7,860
INEEL ORG Labor/Subcontractor Overheads					\$2,829	\$398	\$69,215	\$0	\$0	\$72,442
Subtotal Estimate										\$245,200
Escalation					\$855	\$120	\$20,921	\$0	\$0	\$21,896
Contingency					\$3,130	\$441	\$76,559	\$0	\$0	\$80,129
<b>---Total 9116.102 Main Transformers and Switchgear</b>			<b>188</b>		<b>\$13,561</b>	<b>\$1,909</b>	<b>\$331,754</b>	<b>\$0</b>	<b>\$0</b>	<b>\$347,225</b>
<b>--- 9116.201 Admin Building</b>										
	ELEC	U.C. per sf			0	0	0	4	0	4
Power & Lights		4,000.00	0		\$0	\$0	\$0	\$16,000	\$0	\$16,000
	ELEC	U.C. per sf			0	0	0	2	0	2
LAN Network		4,000.00	0		\$0	\$0	\$0	\$8,000	\$0	\$8,000
	ELEC	U.C. per sf			0	0	0	1	0	1
Fire Alarms		4,000.00	0		\$0	\$0	\$0	\$4,000	\$0	\$4,000

Project Name:  
**Staging, Storage, Sizing, and Treatment Facility**  
 Project Location: **INTEC**  
 Estimate Number: **2959-C**

## CONSTRUCTION DETAIL ITEM REPORT

Client: **R. L. Davison**  
 Prepared By: **J. C. Grenz**  
 Estimate Type: **Title I**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9116.201 Admin Building</b>										
	ELEC	U.C. per sf			0	0	0	1	0	1
Phone		4,000.00	0		\$0	\$0	\$0	\$4,000	\$0	\$4,000
PA	ELEC	U.C. per sf			0	0	0	1	0	1
		4,000.00	0		\$0	\$0	\$0	\$4,000	\$0	\$4,000
Subtotal					\$0	\$0	\$0	\$36,000	\$0	\$36,000
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$15,096	\$0	\$15,096
Subtotal Estimate										\$51,096
Escalation					\$0	\$0	\$0	\$4,563	\$0	\$4,563
Contingency					\$0	\$0	\$0	\$6,122	\$0	\$6,122
<b>---Total 9116.201 Admin Building</b>			<b>0</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$61,781</b>	<b>\$0</b>	<b>\$61,781</b>
<b>--- 9116.401 Treatment Bldg. Elect</b>										
	ELEC	U.C. per ea	40	CN-ELEC	1435.6	0	2700	0	0	4135.6
400a Main Panel		1.00	40	\$35.89	\$1,436	\$0	\$2,700	\$0	\$0	\$4,136
5kw Unit Heaters	ELEC	U.C. per ea	6	CN-ELEC	215.34	0	600	0	0	815.34
		20.00	120	\$35.89	\$4,307	\$0	\$12,000	\$0	\$0	\$16,307
High Bay Lighting	ELEC	U.C. per ea	12	CN-ELEC	430.68	0	600	0	0	1030.68
		30.00	360	\$35.89	\$12,920	\$0	\$18,000	\$0	\$0	\$30,920
Light Fixtures	ELEC	U.C. per ea	12	CN-ELEC	430.68	0	100	0	0	530.68
		30.00	360	\$35.89	\$12,920	\$0	\$3,000	\$0	\$0	\$15,920
Power Conduit	ELEC	U.C. per lf	0.25	CN-ELEC	8.973	0	6.3	0	0	15.273
		500.00	125	\$35.89	\$4,486	\$0	\$3,150	\$0	\$0	\$7,636
Power Wire	ELEC	U.C. per lf	0.01	CN-ELEC	0.359	0	0.6	0	0	0.959
		1,500.00	15	\$35.89	\$538	\$0	\$900	\$0	\$0	\$1,438
Com. Conduit	ELEC	U.C. per lf	0.15	CN-ELEC	5.384	0	1.25	0	0	6.634
		200.00	30	\$35.89	\$1,077	\$0	\$250	\$0	\$0	\$1,327
Com Wire	ELEC	U.C. per lf	0.01	CN-ELEC	0.359	0	0.75	0	0	1.109
		200.00	2	\$35.89	\$72	\$0	\$150	\$0	\$0	\$222
Boxes/Devices	ELEC	U.C. per ea	4	CN-ELEC	143.56	0	200	0	0	343.56
		10.00	40	\$35.89	\$1,436	\$0	\$2,000	\$0	\$0	\$3,436

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

### CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<hr/>										
--- 9116.401 Treatment Bldg. Elect	ELEC	U.C. per ea	240	CN-ELEC	\$613.6	0	15000	0	0	23613.6
DCS Control System		1.00	240	\$35.89	\$8,614	\$0	\$15,000	\$0	\$0	\$23,614
<hr/>										
Subtotal					\$47,805	\$0	\$57,150	\$0	\$0	\$104,955
Sales Tax					\$0	\$0	\$2,858	\$0	\$0	\$2,858
INEEL ORG Labor/Subcontractor Overheads					\$20,046	\$0	\$25,163	\$0	\$0	\$45,209
<hr/>										
Subtotal Estimate										\$153,022
Escalation					\$6,059	\$0	\$7,606	\$0	\$0	\$13,665
Contingency					\$22,173	\$0	\$27,833	\$0	\$0	\$50,006
<hr/>										
---Total 9116.401 Treatment Bldg. Elect			1,332		\$96,084	\$0	\$120,609	\$0	\$0	\$216,693
<hr/>										
--- 9116.501 Decon Building	ELEC	U.C. per ea	12		0	0	600	4	0	604
Lights		24.00	288		\$0	\$0	\$14,400	\$96	\$0	\$14,496
<hr/>										
Fire Alarms	ELEC	U.C. per sf	0		0	0	0	1	0	1
		3,075.00			\$0	\$0	\$0	\$3,075	\$0	\$3,075
<hr/>										
PA	ELEC	U.C. per sf	0		0	0	0	1	0	1
		3,075.00			\$0	\$0	\$0	\$3,075	\$0	\$3,075
<hr/>										
Subtotal					\$0	\$0	\$14,400	\$6,246	\$0	\$20,646
Sales Tax					\$0	\$0	\$720	\$0	\$0	\$720
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$6,340	\$2,619	\$0	\$8,959
<hr/>										
Subtotal Estimate										\$30,325
Escalation					\$0	\$0	\$1,916	\$792	\$0	\$2,708
Contingency					\$0	\$0	\$3,974	\$1,642	\$0	\$5,616
<hr/>										
---Total 9116.501 Decon Building			288		\$0	\$0	\$27,351	\$11,298	\$0	\$38,649
<hr/>										
--- 9190.101 Contractor Quality Assurance	GEN	U.C. per wk	40	Z01	3581.459	0	0	0	0	3581.459
QA Manager		56.00	2,240	\$89.54	\$200,562	\$0	\$0	\$0	\$0	\$200,562
<hr/>										
QA Engineer	GEN	U.C. per wk	40	E11	3097.106	0	0	0	0	3097.106
		85.00	3,400	\$77.43	\$263,254	\$0	\$0	\$0	\$0	\$263,254
<hr/>										
QA Clerk	GEN	U.C. per wk	40	P07	2201.811	0	0	0	0	2201.811
		56.00	2,240	\$55.05	\$123,301	\$0	\$0	\$0	\$0	\$123,301

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

# CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<b>--- 9190.101 Contractor Quality Assurance</b>										
	GEN	U.C. per hr	1	00E2060	0	7.88	0	0	0	7.88
Pickup		2,000.00	2,000		\$0	\$15,760	\$0	\$0	\$0	\$15,760
Subtotal					\$587,117	\$15,760	\$0	\$0	\$0	\$602,877
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$170,440	\$4,575	\$0	\$0	\$0	\$175,015
Subtotal Estimate										\$777,892
Escalation					\$67,650	\$1,816	\$0	\$0	\$0	\$69,466
Contingency					\$140,285	\$3,766	\$0	\$0	\$0	\$144,051
<b>---Total 9190.101 Contractor Quality Assurance</b>			<b>7,880</b>		<b>\$965,492</b>	<b>\$25,917</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$991,409</b>
<b>--- 9190.201 Contractor Quality Control</b>										
	GEN	U.C. per wk	40	T12	2080.626	0	0	0	0	2080.626
Chief Inspector		56.00	2,240	\$52.02	\$116,515	\$0	\$0	\$0	\$0	\$116,515
	GEN	U.C. per wk	40	T12	2080.626	0	0	0	0	2080.626
Inspector		50.00	2,000	\$52.02	\$104,031	\$0	\$0	\$0	\$0	\$104,031
	GEN	U.C. per hr	1	00E2080	0	7.88	0	0	0	7.88
Pickup		2,000.00	2,000		\$0	\$15,760	\$0	\$0	\$0	\$15,760
Subtotal					\$220,546	\$15,760	\$0	\$0	\$0	\$236,306
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$64,025	\$4,575	\$0	\$0	\$0	\$68,600
Subtotal Estimate										\$304,906
Escalation					\$25,412	\$1,816	\$0	\$0	\$0	\$27,228
Contingency					\$52,697	\$3,766	\$0	\$0	\$0	\$56,463
<b>---Total 9190.201 Contractor Quality Control</b>			<b>4,240</b>		<b>\$362,680</b>	<b>\$25,917</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$388,597</b>
<b>--- GAPIF BBWI PF AND G&amp;A</b>										
<i>Memo: Based on Macro: INEELRollup_WholeProject_outyear.BAS</i>										
PF	NOGAPIF	U.C. per \$			0	0	0	0	1	1
Procurement Fee %		141,264.00	0		\$0	\$0	\$0	\$0	\$141,264	\$141,264

Project Name:  
*Staging, Storage, Sizing, and Treatment Facility*  
 Project Location: *INTEC*  
 Estimate Number: *2959-C*

# CONSTRUCTION DETAIL ITEM REPORT

Client: *R. L. Davison*  
 Prepared By: *J. C. Grenz*  
 Estimate Type: *Title I*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
<hr/>										
Memo: Based on Macro: INEELrollup_WholeProject_outyear.BAS										
G&A		NOGAPIF	U.C. per \$		0	0	0	0	1	1
G&A Fee %		53,680.00	0		\$0	\$0	\$0	\$0	\$53,680	\$53,680
<hr/>										
Subtotal					\$0	\$0	\$0	\$0	\$194,944	\$194,944
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
<hr/>										
Subtotal Estimate										\$194,944
Escalation					\$0	\$0	\$0	\$0	\$17,408	\$17,408
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
<hr/>										
---Total GAPIF BBWI PF AND G&A			0		\$0	\$0	\$0	\$0	\$212,352	\$212,352
<hr/>										
<hr/>										
Subtotal SSSTF 30%					\$5,863,006	\$198,776	\$1,684,102	\$1,273,491	\$239,944	\$9,259,318
Sales Tax					\$0	\$0	\$84,205	\$0	\$0	\$84,205
INEEL ORG Labor/Subcontractor Overheads					\$782,452	\$61,823	\$597,120	\$458,413	\$0	\$1,899,808
<hr/>										
Subtotal Estimate										\$11,243,331
Escalation					\$593,439	\$23,271	\$211,233	\$154,659	\$21,427	\$1,004,029
Contingency					\$1,343,396	\$83,996	\$526,760	\$320,079	\$32,897	\$2,307,129
<hr/>										
<hr/>										
Total SSSTF 30%			100,074		\$8,582,293	\$367,867	\$3,103,419	\$2,206,643	\$294,268	\$14,554,489